

FIGURE 1

1 aagcttcctt tggtagaggag aatgaggtact tactgcttac aagacaagca gcatgtttt
61 caaaaatca aagaaagctt gtgaggaaca aggttaatact ctctagatag ctggccttg
121 cttatgcaca ttcatattt cattttgtgc acagaaataa catgtccatg aacctggggg
181 aaccactctt ttgagagacc ttgatcttgg agttcctctg actcaatattt aggagcaaga
241 tagagtaaga cacctatattt tttatgtttt ccattacata agaatgaatg aaacaaaggc
301 atagttctgc attggtaat aaaacaaaaa gcccgtaaa aggcaatgtt atatattcgg
361 caatcacatt ttgaagacca actatattca agactcatgg caggtctgc atgccactga
421 tgcacatcgca tgaccttcc aaggctattt gtcacagcag cccgaaatc gtggcctcta
481 agggcctaag tggctggag taaataggcc agggcagcac ctctgagaaa taggggctca
541 ccccatctg agccacatcc ccagtcctg agcaacatca gcatcagtgg ccctctgacc
601 gcatcagcct gtgggtccct acttgcgtga acacatacaa ttttcttct ttaattggc
661 aagcttgc aaaaacaaatgac atgagtgaac acagagcaaa gagtttagtc tggagctat
721 ttctcgtaag tctctttga gaaagagttt ctgcgttcc cccacttca tgagattaga
781 gagataagaa caggaacatg gagggggggg tccacactt gggaaacact tttggatctg
841 ataaccaccc taatgaagcc ccaaagctat cgccttggg tgggttctc aaacatggaa
901 ttctaccagg atttgcgtca acaggcctcc taatcccctc tgcgttccca agccacatgc
961 tacacaaagg tgaagaacaa gaaaggcatt gagacacgtg ttctatccag ccaggggatg
1021 cacaatgtct gcccacgcag gctgcgttat ttcacatgg aactgacaga ggggtctgtt
1081 ctcccccttc caggcgttgg aggggacgct tcccacctt gacgttggc tgagcccagc
1141 ccgagcagaa atcccaagaag aggtcccgcc ctgttccca tccctgttcc tggcttaaga
1201 cctggtcgga atgaaagata gtaaaatgtt ttcacatgg ggaaggcctt tacaagctt
1261 gccttacta tttataatc ttcacatggg attgttctt taaaatcaca aaagcaagca
1321 gaaacatgag gaggctgtt tatttgcctt cccattcaac aactgggtcg ctgagttacc
1381 agttccccctt actacttgat ttggaaatgg acactagaaa tttttccac ttgtgactga
1441 agctgcagaa acttcaaccc tttttcagtt accctgttgc acctaataag agtccatcc
1501 cttttcagtg gaaagaaagc catggacgag gcattgcagg tctagttgg ctctcagact
1561 ctctgggagc agctgacgca catttacaa cagggagtcg ctgaaagggtg gctgaggaca
1621 gatcacgaga ccagagggtg gaggccccc acagggttgg agccctactt ttgggtgtga
1681 gcagtggtt ctgtatgcacc acggtaagg cattcagcag ccaggtcctg agtagcagaa
1741 acacaggata cacagaggcc aatgttttag accacacca actgggtagg actgaacaga
1801 tggtcattca acagatgata cacctttagg gtgtatcagc aatccattgg aaaacttgg
1861 aaaaggcaga ttctagctca gcccattttt ctgttccagc aggcaggaat ctgcattttt
1921 ccagtttttc cagctgattt taatgttagat ggactctggg ttgcatttt agagacactg
1981 atgttagaaca agatcggtt gactggagac attggccaag gtaattcta gaaaaatgt
2041 gcttgctcaa agtctgttgg acaaattttt gatcagatgc tagagaaatg aacatgaaca
2101 tactcacagc taaaaggctt ggtgggagg cccaaaggaa gcacatgtt aaggcacaag
2161 cgagtcttta cagtaacaa gcccattttt ctgttccagc agtctgttgc agcccatgt
2221 gcacacacaa tagtatggca gatggtacat accaggtaaa ccctaaatgc ataagggtcg
2281 tattacacgt agggaaacaa ggcataagcc taagcaaggg gcctggcccc tccaaatcta
2341 caggtaatgg gcaagatccctt ttagaagcat ggggtcattt gggaaattttt ctttgcctca
2401 acagaaacta tggtaagcgt aggtgttgcgca aggaagccat acttcaatttgc ctctacatct
2461 atttccatc caaagatgtt gcttagtttctt atgagaaattt ctaaagacga cacagctcg
2521 ttgtcaaaaga gcttacgata taatcataaa gcacttttgcgaa aaacttggctt atttaagtt
2581 gcccataatc tggataat tgaagcgtt gactgcatac tagatcataa agtgggtcct
2641 gtgcagccag gaaaaagctc acagatggg cagagggtcg agactaagtg atttaaagcc
2701 ctcataattt tttctgttgc gcccattttt ccagcaggcc tgaccatgtt ctatgcatt
2761 cacaccatct gaaaatcatc cgcagcccccc ctgttccctt cacagcattt gttctcacct
2821 tgaagtttgc gggacttcaca ttcatgttgc tggccatgc ctttgcattt gacatttgc
2881 tccacccctt cttttttttt tttttttt tttttttt tttttttt tttttttt tttttttt
2941 tttttttttt tactaccctt tttttttttt tttttttt tttttttt tttttttt tttttttt
3001 ctccagccac cttggatata taatcaggtt ccctgatcca accttggcccc tgaccttgc
3061 atccctgtac cttggatgg caccttgcac ctccatgggc agcagtcac tggaaatttt
3121 ccagtcctcag agaatttcatac cattcatgaa gggaaagaac aaatggatg agtataaagg
3181 cagaaaggag agttggaaaga taaggagcaaa tagtcagaca ggagaaccta cattttgaga

FIGURE 1 (continued)

3241 tcaacgataa tgcgtccct ctcacatcagg atacttctta atctcaagta ctctattggg
3301 aaggaagaga tcagctgtt ctgggctcaa ataaaaggtaa tcttggctg gaagcactag
3361 gcaagcacag tcttctacat cttgatggag cctcatagga aggtggaggc taaagcacaa
3421 atgacatgta aaggaaagtc tggtagatt gggcattagtt ggaagaactt tggtaggcctg
3481 gcctgattt cacctgagcc aggttgcgtt aggcgtgtc ttgctgagtt tcacatgtgg
3541 ccccaagcc tttgggatt cagaaccaat gggtaactctg cagtctggcc tccacatgac
3601 ccccaactgg ctttgcgtatg aaaggaatca tggtagatgt aagaaccat cttctgaaca
3661 ccccaactgca ctctcactgg tagaagacaa atctgatgtc cttagggagtt atatagttt
3721 tttctctca tttcaacctt tctatttctc agacacat at gcacaggtgc acacacacac
3781 aagtgcacac acacacgtgc ttgtgcacac acatacacac acagaggact ttgaactgcc
3841 taaggcgaag aataattccg tattcatgtt ctacaatgcc tggagaaagc ttttcacaca
3901 gtaggccttc aaaaaattcc actaatgagc aggattcata atagtaaagt aaatgatgt
3961 gctacaaaatc tgagccatgg gaggatccat gaagaatgcc aggtacgaat atcttcagg
4021 tccgtctcat agggatgcag tcccatagat gtctataagc cccttaactc acagcctcaa
4081 attaatcaag caaagagact aagagaaact tgcgtcaatgt tgcgtatctt taattttacc
4141 ttatgtaag tttccatgac agggagcagc tatgactgtt cagcgtcac cagccatagt
4201 ccagcccttg gaggcttggaa gatctatagc cttagattgaa gatgtggaa atggcttagga
4261 aagtaaggat aggttaagaat tatctattgt atctactcta taaaattata gaaaagccac
4321 tcttcacttt cccaaagaacc cctcattgtt aaagatttgc agaaagtgc tgcgtctgg
4381 ccctgttgc tctttactt gtcctgagtc agccacagct gttccctcc ttataatcat
4441 ctcattgtca ttggatggca gcagagactt tatgagaaag ctcatgtggc tacggccctg
4501 cctccttgc acgaggataa gaggttcaa gaagacctt ttcacaaggg cttgtccagg
4561 atttgggcca gtcccacagc attccaggtc cttgaagtct ggctgaaaac cttgtgg
4621 gagaaaaaccc tctaagcaag agaaagccaa catatattaa aatgttcttgc tttcccg
4681 taggttgcgtt ttgtgaaata gggcaatatg tcatttctcc cagaaaaaga aaacacaaaa
4741 ctgattcaaa atgtactgag gtaaaaaagag ttgcagaaga aaattaatct tcagattccc
4801 taacttttg tgcctccataa ataactgtt gccttgc tcc agagagaaat gtgtctgcca
4861 ttttggcaaa ccaggtatct gagagagaga atagagttgc cctgttgc gaaaaagacca
4921 caaggccaaac ataaatgaaa agaacaaga ctctgtattt ttgagctgaa tggccaccca
4981 aatatccaa agaatgaact ttaacttttca acacagaaag gcaaccacag gaagtttgc
5041 agctcatgga gaaagttccct tcatgaat at gtggccttta cagtgc tcttgc tcttacaca
5101 gaattaactc cgggcctgaa agatgtgtc cttttctgt tttgtttaa tggcagactc
5161 agaacacagg gtacagttt gcttctgtt ttaaagttgt cttgttgc ccctccaagg
5221 cctgttagcca gtcgagcatt tttggcaaga cagaaacact ctccagtc aagaatgccc
5281 aggaaccaac agacatagat ggttcttaa ctatttctt gtgttgc tcaagagtt
5341 aatcccagtt tggcctggct acagaggctg gaaggttagaa aaggtaaaaa attctctaa
5401 atgtttccatg gttttctatt tactggataa gcaacaaacc aatagctgtt tggagtagct
5461 agctggctgg cagcaattt ccaaaatagca gtacgtggcc taagaaagg
5521 aggtaccagg aaaggagtaa gaaggagca aagtaaaaaa tgatttattt gtccttgc
5581 caatataaaag ttgaagtggc cagcgcagcc aaaagtatct tgctactgca gtggaaat
5641 tagccaaagg tggtagtcaat tagagatac aggggtggta atttactgag aagccaaac
5701 tcttaggtatg ggtgctgagc aattggccca gcaacctgccc aaggtatgtt ctatttgc
5761 tcaccaggac tggatagg ggtgtgtc cgagagagag agagagagaa aaaaaaaaaat
5821 aggtcatcct atcaaaagag aaggtgaaag ggttggggaa ggcctctt ctctctgatt
5881 tattgttagag caggaagatg cactgtctgc aataacacaaa ataatacatc agaaaaacag
5941 gaagtcaaacc ttcaagaat gcaaggggaa atcaaaacca gagataggac aaggatgaat
6001 gaaaacaccc ggcatacagaag tgaaacgaga aaaaaggaaa cttttgc ttttgc
6061 cacaatcggt ctgagcctca ttcttggaa gttaaatgtt gtccttgc aaaaatgt
6121 tggaccactg aagaggaacc atgatgataa ttcacccctt gcaggctgtg ggagggagg
6181 tttggaaagac aggttaggaag ttggctctt gataatgtt gacaatgagg aggtacatcg
6241 tcctttgaga ggtgataagg aggcggccat catttagcaa aattctatgc ctcctaata
6301 tagatgtgc taggtatttca tataccaatg gttgtatgtt aaagagtata aacttgatgt
6361 aaacagaaac aacttttctt tggtagtataca acaggaataa tgctgattac cccatctt
6421 gctacagagt tagaatgaaa tggcacctgg aacataatgtt atgttcttgc gatttaattt

FIGURE 1 (continued)

FIGURE 1 (continued)

9721 tgagggcaggc ggatcacgag gtcaggagat caagaccatc ctggctaaca cggtaaaact
9781 ccgtctttac taaaagtaca aaaaaattag ctgggcgtgg tgacgggcgc ctgttagtccc
9841 agctactcg gaggctgagg caggagaatg gcgtgaaccc aggaggcgga gcttgcagt
9901 agccaaagatc gcccactgc actccagcct ggggaacagt gcaagactcc gtctaaaaaa
9961 aaaaaaaaaa ataagaaaaa aattaaaaag tgataatcc ttaccaggat tccaggacta
10021 aaccagttt cagatcttcc agtgtttgac tgaaggagag accaggtacc cagaaggaac
10081 agctctgcag tgccacagca agtgtgtaag gtaatgactg cctcagttt tgcctaaagg
10141 acctatagcc gtttactcaa gtaactctaa actgaggaaa gggaaatata ctgacacttt
10201 gaggttgatg gatgcagggt caaaaataac atggataacct agggactga agcatcatca
10261 tgcttccctt gtttagaggac ataaagaggg cagataatag agctggcaa gttggaccaa
10321 tgaatcttac agtgggtttt ttcaaaaagat aaacaaaatt gacaaaactt taatttagatt
10381 aaccaaggaa aaaagaaaagg actaaaaaa aattacaat gaaaggaggt attaaaactg
10441 ataccacaga tgtacaaagg atcacaagag actatgatga acaattacac accagcaaatt
10501 tggataatct agaagaaaatg aagcatacat tcctagaagc atacaacctg caaagactga
10561 ctcatgaaga aatagaaaat ctaaacagac caataagaac taaggagatt gaatcgtaa
10621 tcgaaaacct cccaaacaaag aaaatccctag aaccagatgg cattattggt gaactcaatc
10681 aagcatttaa atgattaaca acaatccctc tcaaattctt ccaaaaaat gaagagaagg
10741 aaacacttcc aaattcattt tatgaggtca gcatcacact gataccaaag ccagttagg
10801 atgctacagc aagataaaaat tacaggttga tattcctaattt gaatgttagac aaaaaaattc
10861 tcaacactag caaaccaaaat tcaatagcac actaaaaggaa ttttatgcca taatcaagt
10921 ggataatccc aggaatgcaa ggatgggtga acatatgcaa atcaataagt gggataaaact
10981 acattaacag aatgaagatt tatgatcatc tcaatagatg tttaaacaaa agcattcaac
11041 aaaactcaac attgttttat aataaaaact ctcaaacaag ttgggtacag aagaaatata
11101 cctcaacata ataaagctat atatgtcaag cccacagtta acattataact caaatgatga
11161 ataatcagga acaagataag ggcacccact cccaccacta ccaatattat taaaacttat
11221 agccagagaa attaggcaag aaaaagaaaat aaaagtcatc taaattggaa aggaagaaat
11281 aaaattgtct cttttagat gatgcgtatc tacacattt gccagaaaaa cattagaact
11341 aataagcaaa ttccatgttgc ttgcagaaaa caaaatcagc acacaaaaat cagtgtgtt
11401 ctatataata acaacaaaatc atcagaaaaa gaaattttaa aatatgttat ttacaataga
11461 atcaaaaaata aagtatctag gaataaaattt aatcaaggag agataaaaga tctgtacact
11521 gtacataaaac ataaaaagat ctgtacactg tacataaggaa attgtgaaa caaaactgaag
11581 aagacataaa taggaaggta acccggttcc atggattttt aaaaatttaat agtattaaaa
11641 tgtctataact acccaaaaata atctattgt tcaatgccc ttctatccaa attcttcaag
11701 catecttcaa agaaatagga aaaacagtcc taaaattttt atggaaccac agatgacccc
11761 aaaaaagcca aagcactctt gagaagaac aaagctggag gtattacatg tcctgatttc
11821 taatcatatt acaaagctaa agtaatcaaa acagttaaaa cagacacata gatcaatgaa
11881 acagaataga gagccccagaa ataaacctac acatataagg taaactaata tttgacaagg
11941 gtaccaggaa tgcatttttgg ggaaagaata atcattttca tacacagtgt tgaaaaactg
12001 gatattccaca tgcaaaaagaa tgaaactgga cctctgtctc atagcataaaa aaaaaaaaaact
12061 caaaatcaaa acacaaaatata aagatctgaa accataaaac ttctacaaga aaacgtagaa
12121 aaaacttcc ttgacattggc ttccataattt ctttttgcattt atgacacccaa aacacaggaa
12181 acaaaagcaa aaataaataa ataggactac atcaagctaa aaagcttatg catgacaaaa
12241 gaatcagcaa aatgaaaagg cacctataga atgggagaaaa atattggcaa accatgtatc
12301 tgttaagggg ttcatattccca aaataatataa ggaactcata caactcgtt gcaaataata
12361 ataataattt aactaaaattt aaattaaattt tcaattttt aaattaatac tcaaattat
12421 tttatgtat taaatttaca gcataattaa aatggtaaaa agacgtaat agacacttt
12481 ctaaattcat aaaaatgtcc aacagggttca tggacagggtt ttcaacatcg ctaaccatca
12541 ggcaaatgca aatcaaaaactt aaaaataagac atcaccatata acctgttcgtt atggcttatt
12601 ccaataagac aagaggtttagt tggttgcgtt gatatacgaa aaagagaaaa cttgtgttacc
12661 cttggtagaa tgtaaattgg cacagccgtt atggaaaaca gtatgggtt gcctaaaaaa
12721 attaaaaaaa gaactaccat atgaccacc aatcccaattt ctgtgtctat atatccaaag
12781 gaaataatataat caatctctca aagagatatac ttcaactctt tggttactgc agcattattc
12841 ataatagcca agacatggaa acaacttaac tgcctgtcaa caaatgaata aagaaaaatgt
12901 ggtatatacatg tagttaataa ttattcagcc ataaaattgg agaacatctt gctatttgcg

FIGURE 1 (continued)

12961 acaacatgga tgaaccggga gggcattatg ctaactgaaa taagccagaa aaatgaggac
13021 aaatactgta ttatctcaca tatgaatct aaaaaagtca cactcacca aacagaaagt
13081 tgaatcatgg tttccagggg ctggaggta ggggaaataa gagtatgtt gtcaaaggat
13141 acaaacttgc taatataaga tgaataagct ctgaggatct aatgtacagc atggtggtca
13201 tatttaatga tactgtattt tgatgttgc attgtctgag aataagatcct gtgttctcac
13261 cacaaaaaca aaaatggtaa ctatctgagg tttagggatat gttAACAC ataaattgtga
13321 taatcattcc ttcacaatat atacttataat caaataatca tggatgttataat tttaaatgttga
13381 tacaatttta tttgtcaatt atacatcaac acaagtggga gggaaaaac gagaaaaatttgc
13441 catgagctaa tgacccaaatg cctcatgtca ttcaccactg ttgcaccaggc tatggctata
13501 tggcaccac ttatgttcag ctgatagagg aaggaaaaag ccaagcttgc ttcaaaaacag
13561 ttggggccagt ttgtatgttgc aatacaaacc agaaaaggc ttttagtatttgc tcagtcac
13621 tcatgaataa ccctaaaaga cagcagttag gggacatcct cccatggac ttcaagtgtat
13681 gcacccgtggcc actcaatttgc tggaaaatg ggctcaaggat caaatataatc taaactcatg
13741 ggcatttgc aatgggttgg ctgggttgc ttgtggcttgc aaggagaaatg agtggaaatg
13801 aaggaataag gaggtcttgg gaagaggaat acggaaatgttgc acatgaatgttgc caaagagctt
13861 catgaagatc tttgtataacc atgttaacgc ctaccatggc agaggcaatttgc tctagtcaaa
13921 tggacagact gatttggcca ggtatgttgc gacagccctt ttcatttttttgc caccggcatt
13981 ctggcaagca ggcataatggc aagatgttgc atgggtggcag gcacggaggc tggcaaggc
14041 agtttacaaa ataggttgc tagtttgc tggatgttgc tatctatgttgc gaacagagat
14101 tactggcgag cccctgacaa agaacaatttgc ttcagagatg ccaatcgcc atgtgggttgc
14161 acagcaatta cattaaacccctt ctttccat ggaagggccca gcaatttgc ttgaaggaaa
14221 tcaacacata cttaggatatac aggttttgc ttcctggccca tagatcctca gcccggccacca
14281 ttatctaagg acttacttca tggatgttgc actaacaatggc gagccggcatttgc aacatcctgt
14341 tggatgttgc aactcaatttgc agaagaaaatg aggttacaatg atgagcacaatg gaccagctgc
14401 tgactttata aggttgc aacccctttt gaaatgttgc ctgatgttgc acattcaata
14461 taataacttgc ggctggatgttgc ctttgcatac cccatccttgc caggatgttgc tggatgttgc
14521 taataataatg tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
14581 gtggaaatag ggcttacatccc tccttccatc tcactcaata accttacccat ggaatttgc
14641 ctttccatct ccacgacttgc gagcttgc tggatgttgc tggatgttgc aagaacagaa
14701 acacttatac cagggatgttgc acacgttgc ctttgcatac cccatccttgc caggatgttgc
14761 tttatgttttgc ttttgcatac cggatgttgc tggatgttgc tggatgttgc tggatgttgc
14821 gtaatttgc ttttgcatac cggatgttgc tggatgttgc tggatgttgc tggatgttgc
14881 ctttccatc ctttgcatac cggatgttgc tggatgttgc tggatgttgc tggatgttgc
14941 ggataaaaatg agttagtgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
15001 tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
15061 gggaaatggc ttttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15121 tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
15181 tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc tggatgttgc
15241 ttttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15301 gcaccacaaatg ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15361 atctgttgc ttttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15421 gcctcaccatc ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15481 caagacatc ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15541 aactccatc ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15601 ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15661 aattccatc ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15721 taatataatg ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15781 agatgttgc ttttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15841 aatttttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15901 ggtatgttgc ttttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
15961 aatgttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
16021 tggatgttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
16081 tggatgttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac
16141 ttttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac ctttgcatac

FIGURE 1 (continued)

16201 gatatttcaa gaacagcaca aatgacactt ggcttgctgt agagtagaat taagcatcaa
16261 tttaaaatgt ttaaggtacc atttgcctt ccggaaattcc attctgcagt gagtgtctta
16321 gagatgtgtg gtttggctcg gcttgcctct gcttccctt ggctggcctg gcttgggttg
16381 atttgtctta gttaacaact taactcttga agacatctga cttcttggc taactttgac
16441 aattaggcaa gaagaaattt gtttgatcat ctccacctca aaaccctact acctttagac
16501 ctttacaca agcatagagg aaaagaattc aaagaaaaga aactcatgtg agatgttact
16561 accaagtatc tctaggcaat aggaaggagt aacccagacc caccattaag ggaaggggag
16621 tgctttaga aaataagatt gtatattgag acaaactaat tgtgatgtt ttatgtcaca
16681 tgtttcaaata atcccaggtg cacattctct cacttcatac agaacacaac cacaccaaag
16741 caggtcaaag aatctgactc ctttccacca ccaagcctct taacatttc tagacctgaa
16801 tacaaaccaa acactctcat tttccaaatt tcttactccc actcaagata tttcaaacac
16861 gtgaaattga ttatgttgaag gtttaaggga gtgaaattta agattaaaga cattccttcc
16921 ccaaccactg ctccgcactc acatggcaac ttggcctatg ctatagacag gggagatgac
16981 atttaagctc catgcagaga tgagccctgt ctggaggtt tttgtggct ttcccttca
17041 gaagagtgtc agtccctgtc tgccttgcc ctgccccttc taaccacaga tgccttagcc
17101 tggccatggaa tggaggttc ctcagagcaa atagagtcca tgattttgtt ttctcagggg
17161 tcataagggt gtgctgatag ctttatcttc cttttcaact tcattttct ctaatatgt
17221 attaaaaatgc agggctatcc cagaaggagt tgactagaga actaaaaaaac aaacaaacaa
17281 aacaaaggaa ccccaaaatg acttcatggt taaaagaaaa acataacagt gaaaaaaataa
17341 aggattata atgaacttctt ctccataactc tctagagccc tggggaaatc tctttgatgt
17401 agaattcaactg aatgaagaaa agccatgtg aaaccagaac acttgggtt atccaaacaga
17461 tattttaaa gcaattgtca tgcattcaggc actgtgcttag atactgaaga tacatagacc
17521 tggacactg cctcatggaa attatactct agcaactctg atttatactg cccacaacac
17581 tggtagacc gcacaacaat atcaggcaca gtatgcgtt gagcttatcc atcccgtaca
17641 tggccctcagg agtgcataaga aaggaaata gcagccagaa acatctatg aaaagattac
17701 ctggaaacgac tcaagaaaat ctgcccagggt gcatctgttt acctcttccctc ctctgccaag
17761 caggagaaca atattgaatt ggagaacaca tatgttaata actccaaaga gaggctagta
17821 tctcagcttgc agcaccagct ccctggatgc tactatagtt ctggggaaaa ctgcaaaagca
17881 gccaagttt gtcattgtcaac catccaaact ttagccatt atcaatctcc cagacatcac
17941 atgcacatag cttaccctaa atctggccca aatccttcaa tcagcttaga catgcctcta
18001 gactagtgtc tggtttaaaa tgtaatgag gtttaaccctt accaggatg cctcaacatc
18061 ccctggcaga cttccaccc agacaggaag aggtggcata atggagcaag catgggttg
18121 gggccagaaa gacctgggtt tctaccccaat tttcacaact tactatttt tgaccacaag
18181 caagttactt aacctcgatt aagctcaat gttcttggcc acaaaaatgc gataataatg
18241 tctgcctaaa tatatttgg gaagattaaa tacaacaac ttcttcattt cttatccat
18301 ctttcctcat ctcataaggga gaaccaataa agctcagcaaa aaacacaaaa aagacattga
18361 ttttattttat ttataggcat tggcagaaac cccatcatga acaggaaac cctttggaaat
18421 tctgcgtcaat ttgattgtc tggctggag atgtgagggtt cctggagcaat tggaaagaaa
18481 tccaggggat cgcctggca ggaccaggc ctctaggca aatgtgtgaa acaaggccatc
18541 ggtttataa tcctcctaag aaagatcatg aaaagcaag tgcattctta attatttcaa
18601 agagctctgg attctatata atctgtctgt gaaataatga agagaagaaa gacaaaactt
18661 ggctttatcc acagagggtga cgttacagggtt attcaccatc tattattacc tggcaatacc
18721 ttagggctgg cttccaccac tgcttttat gaagagttaa gtacacgtga agtctgttgg
18781 tcaaggccctt gacccacatc caacctggac tcccaccact ctctctcagg cattctgggc
18841 taagctgtaa ctcagccgtg tcttccctac actagcgaca gtcttctgt tcattctggcc
18901 cttctcttca cttaccaacg cttcccttca tgcatttccca tcaacttctt ccatataagcc
18961 aagcccctgc tcaaattggac cttccatc agggagaggtt aacagaagct agaaccagg
19021 ctcagggtcc atagaccagg ccccaaggcc tactggggcc agtcagtatg gtggtctcga
19081 taccacagac ctggactca gtccataatg tggctatcaa ccagggtgcc cttagaattt
19141 actcaggagc ttttagaaaatc atataatgc tcatatcccc accccaaacc ttctaaatca
19201 atattccata gggataaga aaggtatctg ggtatctgaa tttttaaag actccaccct
19261 ggattctaat gcacggccctc agctgaaaac catggctcac agataggaac tcccttataa
19321 aaagaaact agataactatg ccatgacttc atagactcta caaatagagc tgatggaaaa
19381 taataaaaaa aacagtaatt ggacaacctg aacatttaca aatcaaagg ggcaggat

FIGURE 1 (continued)

19441 aagtagtttg ggggtttcaa agatctgagt aagaaaccag tgaaaagttt cattatttct
19501 cacaacttac tgggaagcag atgggtggag gggagtggaa actgaaaatg tctggacatt
19561 tttctgaaa ctaaccagca cctgtaaatc tgtaattagc aaagtaagga tagttgtggc
19621 taaaaatata gtttgtaaat gtatcaagga cagtggatg tctcaagcaa taagcaaaac
19681 ggcttctta aggacaaaaaa aatccaaaac aacatgatat cttgtttgg aaagggttaac
19741 catatgagaa gacaaaagaa acacagcgc tgctgtgtt ggggctttag gttcagcatt
19801 tcataacaaca gctcatgaaa ttttattgc tgacattaa aggttcaaat tggcagggag
19861 agcaagtac atgggttggaa cactaacaaa agattacgaa gggaaagggtga ggctctgtgg
19921 cacatctcca gcaagaagag gtgccttagca ggggtccctg gggtcagtgc ttgcactc
19981 cagattggat tctgcattct aattaacaat gtggaaagaga gaacaaaaga cccctgaaag
20041 ataccagaag aagacttgca aagggggatg agggcaaccc ccagagagaa gagcaaaatg
20101 agacaggtga gcccacaagg cttaatctat agggaaaaac agcagacagc tgagactact
20161 tacaaaaagg caaactagct cattggagga aaattcacta gaacccctta tattttagaa
20221 acaaaaaggac acagaccaca aaaatgtctc aactatcaac atgggtaaaga gtgtccagca
20281 ccctggagag gaggtcaggc tgtacaggag gcagccaacc caccttcaga tcaggatcag
20341 cagaggcatt gccaagacaa agtacattca gaataactaat taatatctat caatggtttc
20401 tctctagaaa aaaaaatgaa atgcacagg gaatgtctat taaccaaata atccacttga
20461 agatttttt gcccaactgc tgtcataatt tggtttctct ttctaatcc aggttaagtt
20521 cacactactg tcataatttg atcagcatgt gcaaaacagcc aaaaccagaa acacatccat
20581 acctctacag cagcctaattc taagaagaaa aaggagaggt tgggttgggt gtcaaaggaa
20641 gaaaggaaatt ttcattccct gtatctgccc ctgggctaatt aacagccacc atgagctgag
20701 tgcctggtaa gagtcagcc ctgtatgagg cacatcatc gtattgtca ctttaactgc
20761 aatggcagag ttgtgaggca gttattagac ttatgacttg gagaaaactga gcaacttcca
20821 tacacatcta gcaaattgcaaa ttgtctggat ttgaacttgc tccctcgga cttctcaatc
20881 tatgtctttt ccctgcattt ttcagtcgc ccctgttctc ttttaagaggg ttttctcccc
20941 agtccccca gtccttactt gccccttatt ctgcctctgt gcctgagagg ctttgagagc
21001 cttgagagca tcactggaca gcccctggcat acagaccctt tcactggggc ccggccaata
21061 agcaagcttt tcttttacac agaaaatgttt gtggcagttt ccaccaatct cactgtccca
21121 ctagctccct gtggagttag gaagggcaaa gatccccttc ttctgggtgt gatcctactc
21181 cttgaaaatg cttcacgttag aattctatgg attccaactg ctggtagtc aatctctgcc
21241 cccctggat taagaattag gttagaggaa ttgaaaaggaa gctctgcgc cagcaagcat
21301 taaaaaggcc atagagaaaa atgcaggacc gcttggaaag ggcagatagc agagcagcta
21361 ggagtggccc tgctggagct agagtgttag ggtgtaaatc ctggcccccag catgttctat
21421 gtgcacttgg gcaacactgca caacctcgct cagccttct tttcatatca gcaaaatagg
21481 ttgttagttag caacagggtt aagacttag taatgtctaa tggatgttag agaaaacaaaa
21541 acggaggcaga ggcaaaagatt ccagaaggct caggatgaaac ttccggcatt cctagatgg
21601 gaactttcat atacttagtc tccctgttc acttctccat ggacttagtcc ttgcttctct
21661 tgtctgtgt agactaatat acctctgaaat ttgttcttgc aaccatttcc cctaagttaga
21721 tgagggataa caaacaagca aaatatgtac tgaagttggg tggctgcag caatggactt
21781 ctttgagtgg agaaaaaaaag ggaaggagat gtgggggtgg gaagaaggag aaattatcat
21841 aaaattggat tccaaagcat tcagtagaa cattcccgac aatagcagat gcttttgcc
21901 tgcttagat aagacgtctt tgatttagac ctctgcgcact gtagagaagc tggtggatgt
21961 tgaaacatta aatctaaaca ccgaatgcct gaacccaaagc agaagaacaa gcccacaaa
22021 gcctgcaggc cccgcttccat atcacatctc accatgaaatc aaaaacgcac tacttaggcc
22081 agctgccact gcagctgcgtt ccaaggcaca aggtgggtgg gacctgagca gtgttctacc
22141 atcaaggaaaa gaaactggatg agggcttgc ttactcggtt ggtgggttcc acgtggagg
22201 gtttccgtcc acacacaggg tccagcatga gaaatggcaaa aggcggggaa caattcagg
22261 gtggccaaagg gagagaatac agtcacaggat tcttagtgc tggttctggat tagggccagta
22321 aagcccttc ctcatccctc tttccattt atcaacttagag acagaaaacta aaagccatgg
22381 cttcaggctg cttaaaagctt aaaaacaaaat aaaaagaaca acaaaaataag ggggggttgg
22441 cgtgccaactt aatgttggatg atatactatt ttactatagc tactggccccc aaaggccac
22501 ttggatgcca tctttggatt tctcacgatt tttcaatatg tagaaacatag tagattctca
22561 cacaatatct gcagaatgaa aaaataaaaag tgtgcattca aagggtggc tgggtcactg
22621 tagtccaccc cagagaagac gggaaaatgc attttgcataa ggcacacagt gatgagaggc

FIGURE 1 (continued)

FIGURE 1 (continued)

25921 aaggcatgg ccgtgccaca tctggagtt ctgttatcat ttatgttaga taggatggc
25981 taaactgtgt tgcttttagt aaaacaagcc taaaatctca agagctggg acagcgaaaa
26041 cttatttatt acttaagcta caagttgatc atgggtcatg gtcaggtcag gtcatctaga
26101 tccaggccca ttccaccaga gcttatacaa ccaaaggctg tcatttcggc cgggtgtgg
26161 ggctcacgccc tgtaatccca ccactctggg aggccaaggc gggtggatca tgaggtcagg
26221 agatcgagac catcctggct aacacagtga aaccccgctc ctactaaaaa tacaaaaaaa
26281 aattagtcgg gcgtggtagc gggcacctgt agtcccagct acttgggagg ctgaggcagg
26341 agaatggcgt gaacctggga ggcggagctt gcagtgagcc gagatcaagc cactgcactc
26401 cagcctgggc gacagagggg gactcctct aaagaaaaa aaaaaagaag aagaaagaaaa
26461 aaggctgtca tttactgtga ctgaagctag aggaaggaaa gctgaaaaat tttgcactgt
26521 ctttacagg tttctgtcca gaagtgacac acatcatctc caatcacatt ttactggcca
26581 aatcaagtca cttagccatg ttccaaaagg gcatagaaat tcattcctac catttgccta
26641 aaagaacagc ttggaaatat gggtgacag agctaataag ttaccatatac actctaaagc
26701 acaacacattt gtatacacac cacaatgca cagaagagat tccttcacta ttggcgatag
26761 gtttcaata tgccttagat tttggagga gacagagtga tctaaactag ttgcacagat
26821 taactagatg attgttaaat gaactcta ccaataatac tcacccctta taaagattag
26881 agtcaactca aagataaaaaa tttttaaaaa gcatgagttt agagctttt cttatttctt
26941 ctctccct tggaaagcat aaattaacta aagttacta tgattactag tggctgaatt
27001 ccatatttaa atttataatc atgtacagca tagctaataa ttaattata agtgtaaaca
27061 attcccaaga cgccaatagt tcattgtcaa atcttacctg cttcacaaaaa tttggtaat
27121 ctatgtcta gaaaagacac tgcctttat aacattgaat aataacaaaaa tggccatata
27181 ttcaataaat actaagtaat tactaaataa ttcagcctgg taaaccattt ttaattgtgt
27241 caaaagccaa aggtatcatt caatcttcc tcatttgaga tgcattgtat ttcttataatg
27301 tgcattgtttaa ttttaggtat aaacctgact ggattaaatgg atactcaggt gcttggtaaa
27361 ataataatttc tgcattgtc tgcattgttgc tttctgagag attagcattt gaatcagagg
27421 actgagtgag gaagattgcc ctcaccaaga agggtgagca tcatccaatc catcaaggc
27481 caaagtagaa taaaaaggca gagaaggc gaatttgccc tcctggatct gggacatoca
27541 ccttcctcg cccgcagaca tcagaactcc aggttctggg gctttaggac tcagggattt
27601 acaccagtgc ctcccacccc ccagattctc aagccgttaa cctccggactg agaattatac
27661 catcatctcc cccagttttc aggcctttag actcagactg aattataacct ttagcttccc
27721 tggttctcca gttccaccc ggaatatcat gagacttccc agcctccaga ataacatgag
27781 tcaaaagctca tgcattttgc tcttagagag aaagagaaaat tctattgggtt ctgcttctt
27841 ggagaaccct gtcataataca atatacaagg caactctta ctgtgaggaa aatggagtc
27901 ttcaatcctc accatcccaa acagaacagg ctcttccacc acagcctcta tcaggccctt
27961 gtcggcaggc ctggggcatg aaatcacata aagtggactc tggatggaga aggcatccag
28021 gaaccagtgc accggctctgc agtgtgcaat aacctcactc atgtgcccctt atacctccat
28081 tttctacctc tctctaataa gaacatgagg gattgctttt aatacacaga ttagcatttt
28141 ggccattcat ataaacatac aacaatctg tcaacagtat tataattgg gtcctataatg
28201 tgcattgttca tcaacctgtg aattagcaat agatcatct atccagggc ttggctgt
28261 tgcattttctt aaaggatca aaataaagaa gttgtttttt ctttctctg ctccataatc
28321 aataataac acaaagcttc attcatgtc agtttgagct aggtcatagc atgaccatgt
28381 cctagaactt actttctgcc ttccgatatac catagtaat agccaaaata tgcattcaat
28441 acatccattt taaaactag tcaatttaag ataagaaaata tcacaaatgg gttttggca
28501 ttataagata aaaagatcaa ttgattgaaa gtcgttcc ttaagattga atttaattgg
28561 tttgattgac atcatttatac cacagtccat aaaccaaagt tatccatcat cattgatgaa
28621 cggcatttga aaactatcat caaattgtt gcttagaaaat gccaagatgc caccttagac
28681 aaggaaggcc tctggcaaaa tatattcatg tgctgcctaa tgactttgtt ccaccatgga
28741 ctgcataatatacactt gacagtagac tcataagatttataactgtt atctcctctt
28801 agattagata tgcattgtca cacaataact taccattgtg ttacaatttc ctacaatatt
28861 cagtagtgc acatgctgtc ttgtttgtc gtcaggaac aataggctat accatatac
28921 ctaggcattgt aatagcctat accatccagg tgcattgtcaat ttcaactctt gatgttccaca
28981 caaagatgaa atcgcctaaatc gaaaggacaca actctcagaa cgtatctgaa ctgttaggaga
29041 acaacaatctt gattatcaga tcttccaaatc gtcggcaggcc ttacaagattt cagagttaa
29101 ctgataagca tgcattttgc aatttcctaa ccctggattt tgcataagata atgttataat

FIGURE 1 (continued)

FIGURE 1 (continued)

32401 ttgtttgaga tggagtcttg ctctgttacc caggctggag tgcagtggtg caatctcagc
32461 tcactgcaac ctccacccctc caggttcaag tgattcttgc gcctcagcct ctcaagttagt
32521 agttgagatt acagggtccgc accatcatgc ctggctaatt tttgtatccc tagtagagat
32581 ggggttccac catgttggcc aagctgttct caaactcctc aggtgatcca cctgcctcag
32641 cttccaaag tgcttaggatt acaggcatga gctaccgcgc cggggcact tctccagatc
32701 tttatgtga tgctaataagg ttctgtatct ccaagaaaagg agagagggca tttactgtt
32761 tcccaactt atttaatcac agaaaagctat ttttggaaat gtttggc acatatttg
32821 agaactctcaa ttccaaaggaa aagaaaaaca taaaataaggg cttaaattgaa aggacaacct
32881 cattttaaag ttgacataga ggccatttatt tgggtcacag aaaactaagg cctgagatcc
32941 gtcatggagt tcatgtcccc atttggtcac taagatagag acttgcatt gtaatggctg
33001 ctcagcactg gtgaacaccc gccatgaact gacccaaacc agtgtggcca cacatgaggg
33061 gaggcatgcc cgttatcaca ctaccaaata cggaaacccaa gtcttaaacc aatttttgc
33121 tccatataca gacatttact ttacaattgc ttatatacaa ttcatataac acgtttggtt
33181 agctcaaaga agtcccattt tctgtcctt taggggctct cagcaccacc ttgactgaaa
33241 cattttctca aggcaagacat ggcaacatgc ccgaggcagg attctggaaat gttcttaggc
33301 catgcgggc aacttggaaat tctccaacta agtgggtgga cactgggcca gttagcgatc
33361 aagtctcagg cactatccct aagaaaaagg ctgcagtctt tgctggagcc ttataccctc
33421 ttcataaaaa acaggaaggg ctctaataattt ttagccaatc gaggttagcag tattatgg
33481 tgagggacca caggctggta acaatagaaa tttatccc cagagtgcg gaggctggaa
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33661 tgcctctgag tgcctaaatc ccctcatctt ataaggactt cagtcagatt ggatttagggc
33721 cacaataatg gcctcatttt aatgtaatca cctcttcaaa aatccatct taaaatata
33781 tcacattctg aggtactggc gcttagggct taaacatatg aattggtagc agggacacaa
33841 ttcaagccat accagttatcc taaatattgt ttttttatttataatgtat cccatata
33901 atgttcatctt tgctaattaa tgctcaactgt ttccacagtg aaaactcctt tcggatattc
33961 actatgttaa ttagcaaaatg ctctacact tctttttttt ttaatataaa ttcaactt
34021 tcttttagat gtgggggttc acgtgcagggt ttgttacctg ggtatattgt gtgcgcgt
34081 ggtttgggtt atgaatgaat ccatactga gatagggagc atagtcacca ataggtcg
34141 ttctcgtccc ttactccctt cttctcttc ccccgctagt agtacccagt gcctattgtt
34201 gccatctcta tgcctcatgtg taccaaatat ttagccccca cttataatgt agaatatgt
34261 gtatatgggtt ttctgttctt gcatataattc actcagaata tcagctcca gctgcattca
34321 tgcctgtgc aaggacatga ttttggctt tttcatgggtt gcatagtatt ctatggata
34381 tgcctgtaccat ttttcttca tccaaatccac cattgtatggg cacatgtt ggttccatgt
34441 ctgttgcattt gtcactca cttcttaca tcactagctc cataatcgtt cagggtcaag
34501 ggcatctgtat tgactgagcc taatagcaag ggaggctggt gaagtatgtt tttggcttt
34561 atccctggag gaaaggactc atataattgg gctctttttt gcatgtatctg tattttcttgc
34621 catatttcag catagacaat gtatgtatcat ctgtatggca gttcaatgc taagggcagc
34681 caattacattt aatagagaat gtacactggc ggggttgcata cgtaccaaca ctcaggagac
34741 ttcaacaaat gtcctgttca tacctataaa ctgagtagtgc tcctcatagg atcagcg
34801 gatgggggttt ggccaaatgtt cattattca actgggttctc tgcctttgg agattctgt
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34921 ctttcgttgc aagacacccatg atacagtttca caatcttgc attttcgaa agcatatgc
34981 agatatgtt aatgtatgtt atctcttc tcataaaaacc agggaaatcac aggttgc
35041 gtcgttgc ctaattttgc catctctata cctatagcag ggagaattag aggttcatat
35101 catgttggaa ctgttggaaat ctgtatgttgc catcttgcata agatgttgc atgttgc
35161 agagaaaaaaa ttgttgcagg ccacatccat ttttgcatttgc acccccaaaa ggatgttt
35221 aaataacccccc ttgttgcatttgc catgttggaaat ttgttgcatttgc tttttaaacc
35281 catatccaaat ggtggcggag acaacatcg gaaaaagctg cacagccagg tcttcattaa
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35461 taggtcggttca ttttttttttttgcatttgc gtcgttgcatttgc ttttttttttttgc
35521 acaagatctc ccaggcttaac cagaccaggc tagacaggag agaggcgctg ctgtttgg
35581 gtgggtgtca tccaggtaaatttgc ttttttttttttgc acccaggatcat atctatgtt

FIGURE 1 (continued)

35641 gtaggtttgt tgggttatt gttgtttcc tttgagtttt ttttgtgtgt taaaacctaa
35701 actgttcaa gaaaatgcat gctgttctca tccctcaacc aagcatgttt tctcaattag
35761 acgcattttc acagagaatt agtctaaaa cccctgttag cttaaaaata gattaagaac
35821 tatttcttaa gtccttcc tttggattt aaagtgttt tgagtggagt tttttgggg
35881 ggtggaggag aggaagttt gcgtatcaa gtagatcaag aaaaaaaaga aaatcattt
35941 actatttctt atatgtatcc caggcttga ggttcactca tgtaaataaa gctcatcatg
36001 gatattaatt cattcattcc tataactcctt cattcacaac agactgtgt tctatcaggt
36061 tcaaggcact gtgcataaaag aaatatacag gaagaagccc ggagcattt aaagcaggat
36121 gttgacaaac acacacattt aagatactat gatttgagct tctgacatct ggactaatta
36181 aagctgagga aattggcatt tatttggca aatggccaaac aaagaagaca ccaggcagaa
36241 caacccacag aaaatttcat cagccagaa attagaattt actctccccca tccaaagaga
36301 aagttatata ctggcttgg tggattgcat tccctggctct gcactattat ctaacacag
36361 aaggcaagag aaggcaagaa ggggctgaaa gagccatctt tccaaaatat acttgggaga
36421 attaaaacac cgatgttctt ctctggggcc cttgtactg gtcagatctt cttgcccaga
36481 tcataagagg gcttagtgg aacaaaaatg gtggttgtga atgtgaacac tattaaatgg
36541 tctttcttct gtatccaaag gtctaaagct ttctgaatgg agtcttcaa gactcagctc
36601 agacactacc ttttcaagga aacctttgt gaccctctgt ccctcaaccc cacacacaca
36661 accatgccag cttagaccata gatcttcctt agcatttcca cacatctgca ttacccctca
36721 tggcccagcc tcattatcag catccctcat gaggctggg gacacttggg gtgtctctgg
36781 cacattgtaa acccttcata aatgatttctt gaaggactgt aatacatagt ttatacaatt
36841 ttcagcatac gaatttaagg gaaagcataa aagaaaaata cccatgggtt acatttaaat
36901 aataataata cataaaaggaa atttcacata tttaaacaga caaagactga cttataactag
36961 aagagaaaata atgaccttac ccacagggtt tatgtacac catacgaaa ccaaactgct
37021 aaaagagagg tagtttgcct aaagtttaact cccaaactcta ctcacttaaa ggtggagggt
37081 ccatttatttca ttaacagtga ggagcatttca agaataagaat gttctcacac acacacacac
37141 tgaaggcaca taatttggc tactgaaaacc ttgaactctgt taaagcttag ttgttggaaat
37201 gcatactcct aactttgcaa gattattaca cttagagaac atctgagatt gcagttaaat
37261 aaaacttagg tttgtctgaa aaattaatta gtgtacataa ttattctgcc acataaagca
37321 aggtatcaga tgtaagcaat tcatgtatgt tattttataa attagcacca ctaagttatg
37381 ttcctttcc acctctggct taattttatc ttaaatatgt gtacaagtgt ctggctact
37441 gtgttccccca caccattaaat gccaaccaca cacacgttagg cacaggcagc aaaagattaa
37501 aatcctgccc accctgttcc gcctgcctt tcacactctt gcctctacta tggccccggg
37561 tgggtgtccc cagtaactccc aagctctgtt cctccttattt ctctctctt tccctactt
37621 ccaggggagg attcacatcg gatgggactg aaacgtatac aatttagggt ttcttatttt
37681 caaaaaataa tattaaatta ttaattctac tgggtcggtt ggctcacgccc tgtaatccca
37741 gcactttggg aggccgaggc aggccggatca taaggtcgga agttctagat cagcctgacc
37801 aacatggtga aaccctgtct ctactaaaaa tacaaaaaaat tagccaagta tgggtggcaca
37861 cacctgtaat cccagctact cagggcaggag aattccttga aaccgggagg cgaggttat
37921 agtgagctga gattgcacca ctgcacttca gcctgggaga caaagcgaga ctccatctca
37981 aaaaaaattt tttttttttt aggttagaaat aaatatttt taaaaaagag aagtttcatc
38041 aaactaaaaac acaaagtaac aaatatcaca aaatctaagg gaaaaaaatc tcaaaataaa
38101 tgttatttagat agttctttgt gtagcactgg tccacggact gccttctgac tatgccatgt
38161 atatttcaaa ccttgcctt cctgtatgac ccacatgcat ccagggaaag ccactgttag
38221 ttgacatgac catcatgata agacctctt cactacatct tcaggtcagg acagcagggt
38281 ggcgatagga agatgaatgg aagccatcc aacacaagga gggctagccg ttacctcaca
38341 cagtgactgc aaaccacaca gatatactt cacaacctgtt cccctgagcc agatccaaaa
38401 attgcctgtt gtcacttcaaa ctctcttcaaca gagaagtgtg actgaggcaa gtaaaaatgg
38461 aaaagtcaga ggtatgttgc agttgttagt aacatgttctt acttgcgttca atgttgc
38521 acatgaccac atgaacgcat cactaggccc tctcttagggc ctgggaagga acccaggcat
38581 gtgagggacc ctgacacacta agcctctaca gcttcttggg aatcccaccc ctgccttcc
38641 cccacacatc ttcccatggc ttccagttccc caagcttctg ggtccagcaa ggcaatgagg
38701 ctcaaggcacc tgagcgcatt gcctttagggc aggatggaca aactggcaaa ggaaacagg
38761 agagtaaattt acacagatgc cctctgcctt caagtcttgg gacaaagagg gatggagg
38821 gggatttagag ttctgagcaa agacaggact ttgaactcaa gcaagtggac actagctcat

FIGURE 1 (continued)

FIGURE 1 (continued)

42121 gtaatataagg tgaagagcct ttacaatgtg tttatcctat gacctatcct tacttcttctt
42181 attctaaagg aataagaaga gggttaatca aagcatgagt gaaaaggcca tccaaacaca
42241 gggaaagggg ccgttatgtat gtctacggtt ctaagaaata gaaaacaaca acttggctta
42301 aataataaagc acataaaccctt agaaatctag aagtaggatt cccttaagag ttgagagatt
42361 tagcagctca aaaatgtgac ctgcacatacg agttttct atgctttgt tcttcctcct
42421 ccaacactgg tttcacacta aacttggctc cccagtggcc aatagcacca aacagcacctt
42481 atcggcattc ttgttggtat caaaaagaga tggagaaagc ctgatttcac atggctcttc
42541 cttaaaagca acaaaggact ttcccggaa gccttcagca aacctcgta gattgaatc
42601 acatgccaat tcctaaatca gtcactggca gggaaagtggg aaaaaggggg ggaggtgttt
42661 acccttaacc aatatgccta cccctgcccc ctgagatcaa ttccataaaaa gtattgttc
42721 agttcttga agaggagtt aatgtttgt agtcactcac cacatttacc caccagagc
42781 taagggataa ctgagtaaaa tggtagagct ggttagaaaa tggtagatgatc tccctgcctt
42841 ctgtgcata attgacttgt acacaaagag attggaaat taaaacataa gaactctctc
42901 ttcccaagcc cagggtttt ggcacttcaa gtctggctt tgcctggca cagtgctca
42961 cgcctgtat ctcagcaatt tgggaaggcc aaggagggtgg atcacctgag gtgatgagtt
43021 tgagaccagc ctggccaaaca tggcgaaacc ccaactctac taaaaaatac aaaaattagt
43081 tggatgttagt ggcacacgccc tggatccca gctactcagg aggctgaggg agggaaatcg
43141 cttgaatctg ggaggccaaa gttgcagtga gctgagattt taccactgca ctccagcctg
43201 ggagacagag caagactcca tcccccccccc caccaaaaaa aaattcttgtt cttacatgt
43261 gaaaaaataa aagctaattt taaaaaacta aataataaaag agtgttaggt gataagttt
43321 atgatagaga taatgtgtgc tttaaaacac acagcataaa acagatggaa aacacctcat
43381 ggagaagggg gagcttgaat tggtgttga ttgaaggaca agaaaaatct gttggtaact
43441 tccctctggc tctgacctct gatgcagtt aagttaaagca acttagaatt atgatctagg
43501 gaacatattc agagagaaat gaattttatga tgccttcattt ttgaagatgc tatgatttt
43561 gactattcta gaatacaatg atttttcattt gcttcacact tgtaagaaat gttccactac
43621 tggaaaatttca caacacttaa aaaattctta cacaatca cagccaccc tgcgttctt
43681 tgctaaataa acaaaaattt ttttctcaat tatgttgctc tccttaatta cacgcaattt
43741 taaaacttagc tgtaactgac agcccttcc tcacacttac tgccaatgta ttttaggtca
43801 tcccacctcc aatttagagaa acttagaaaa agggaaatctt acggtaaat gccatatgco
43861 ttacaatttt cagtaactaa tccctcaagga tgacaacttg gcaaaaaaaga gaactggacc
43921 agctccctga aaggccatc acttcggccc atgtaattt atgccttaa aatcacatgt
43981 cttccagggtt gttagagacac actcaaaatg gactattgccc ctcacattaa agggatagg
44041 ttttctttc cctttccca tccctgcctc tctcaagct gcacagaggt atatgaggtt
44101 tggggaaatat ttgcagcaca tgggtgcgg caagaatgtg ggtgaattcc tggtaagggg
44161 cgcagacact ccctttcttca tgaccttcc tttccaccca gaacaactga agtacatgt
44221 taagagggaa ggctttgtgt tggagataag cagtccttat acctgtcagc tttctctaat
44281 aagaaagctc tttctgcctt ccgtataagg caccttctta ttggtaaagc atgatgaagt
44341 ttggaaactg ttgtccttgt tttgttggaaa gaagccaaatg tccaaagaaat ctgcagaggc
44401 attcctacaa tccctcagcc atggcagcat gaatcctgaa ggggcagtga gtgctgggtt
44461 ctactctgtc tgcaacagctt agccttagggg agataatctt ttcataacaag atgcattctg
44521 ctttggggg cctttgcag ccctcaagcc cccatctgtat ttgtacacaa tgatccagtg
44581 ggccagaggg gcccagagcc atgagcggcc catccctcca agaactatctt ctgactgtcc
44641 agtatcatgg agcaagtggaa aagaagaaaa aaaaaccca attactttc gaagagcaag
44701 atgaatgtcg tagaaggaga aggaaggggg gggagatggaa tgggtggccga ttccagaatc
44761 ttcaagatcg ttggatgaa tcattacca tgatttgcgg gacaagaatc tgatttatt
44821 catcaaccag tagaaacttt tctttctgccc tcccaacatc tgaaatccaa caaacatgt
44881 ccttaggaac ataccggctca tcttttagag gcattttata tacatattga gtaactagaa
44941 aacactctt ccgtaataca cacacacaca cacacacaca cacaccatct tgcataacaa
45001 cactcccacg caagaaaaagc gaaactgctg ttgtatgaaat gtaaacactt ggctgttttgc
45061 agcagtccgg agtcctgcca ggtttaaatgt ctaagatggg aggtgaaccc cagggggtttc
45121 cccctgcccc tgctgagatc ttattttgtt caagcttcttca cctatgcctt ggcctcgag
45181 cgagccccat agcgcgtggat cacagcagag ggagcggaggc ggctgacgatc ccatccggaa
45241 gagatgaatg gaattccagg aagcttagatg catgctggct tgggacagtg gcttggagac
45301 caagacttcaa tgacagaagc actaggcagc ggcactcatg gcaatgtgtg caccacacaga

FIGURE 1 (continued)

45361 aatgttaaccc acacacctggg ttcaggagcc gaaaaatgaa aagaacgtt agggagggaaa
45421 aaggaaaata caataatagg cagagagtaa tttattactc tatgggtctg ctctgtaaat
45481 agctgaagac tctggagcca gatggttctg caaattctcc aaacaggagt cacgttaaga
45541 agcacagatg ggcacaaaaa ctgttttca agacacaatt tcaatttggc ttgtggaaac
45601 tggatacggag taagtttctt taaaattcga gtagaaagca gctgtctcc cggggccct
45661 ttagtggaaat acgcacacccg ccccaagcg gccggcccgag ggagcgcgc ggcagcggga
45721 gaggcgtctc tgtggggccc ctggcagccg cggcaggaaa gggcccgaag gcagcgaagg
45781 cgaacgcggc gcaccaaccc gccggccccg ccgacgcgc gctcacctcc ctccggggcg
45841 ggcgtggggc cagctcagga cagggcgtcg ggggacgcgt gtcctcaccc cacggggacg
45901 gtggaggaga gtcagcgagg gcccgggggg caggtactt aacgaatggc tctcttggtg
45961 tccccctgcgc cccgtcgccc catttttctt tttacaaaac gggcccagtc tctagtatcc
46021 acctctcgcc atcaaccagg cattccggga gatcagctcg cccgaaagcc cctgcgcac
46081 cccgcgggccc ctccctaggtg gtctccccag cccgcgtccct tttcgggatg cttgtgtatc
46141 acccccgagcc cgcgtggcgc aagagtacga ggcgcgagcc cgtgcgcgc aaggctgcgt
46201 gggcgggcac cgactttctt gagaagttct agtgcgtccca agcccccacc cccgccccct
46261 tcaacttcta gctggaaagt tgccgcgcag gcagcggggg gccggagagag gagcccaagac
46321 tggcccccac ctccccgttc ctgccccggcc gccgcccatt ggcggagga atccccagga
46381 atgcgagcgc ccctttaaaaa ggcgcggcgt cctccgcctt gccagccgcgt ggcggccgagc
46441 tggccctgcga gttcagggtc cctgtcgctc tccaggagca acctctactc cggacgcaca
46501 ggcattcccc ggcgcgcctcc agccctcgcc gccctcgcca ccgcgtcccg cccgcgcgt
46561 ccggtaacaca caggtaagtc gccccggcg gccgcggagg accaaagctg cccggacat
46621 ccacctggag cgctgaggtc tcagtcctc tggtgaccc cggAACCTAC actctcccc
46681 ctgccttacc ccagccccgtc cctctcagcc gctggaggac tcttcaggc aaggctccag
46741 agccatcttc tccagcctt aggttcacaa accaactcat caggacaccc caagattcc
46801 ttactctctg aagtccctttaaagccttttgc tatcagcact ccagggaga gtctgtactt
46861 cccctgcctt ccctgcaccc ccaactaca gttcctgatc ttgctcacct tcgacttccc
46921 aaaagcccccc aatttgggg tcttcgcggcc cccacacttt aaaaccagca tctctttctt
46981 ccacctcttc ctctctctt ctcatgctct ctggaaagta atccctgtgt
47041 ctttcatttc agccaaacgcg gggtaaaaga gggatggtcc cggccctgtc cccatgcaca
47101 gccccgtttc tgccgcaccgt ccctccctgc cttagtgc tctgaccctc ggctcttgg
47161 ctttcgtcta caggatccct gctgggcacc aacagctcca ccattggggt ggcctgggg
47221 cttaggcgtcc tggccctgtat gcatgtgtgt ggcaccaacc gcattccagg tgagtttg
47281 tggcacctt aggggaagga gggacaagga agaggtgtc gctatcccg gtgtgggggg
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47401 tccctggatt tattcaccc tttcagtgtt tgccaggagt tttcacccca accctttgtc
47461 tccaccccta aggactcagc cccctactgc tggccctcagc ctagaaagct cactttgtgt
47521 tccctccctgt ctaacagagt ctggcgaggaa caacagcgtt tttgacatct ttgaactcac
47581 cggggccgccc cgcaagggggt ctggggcccg actggtaag ggcggccacc cttccagccc
47641 agcttccgc atcgaggatg ccaacactgtat cccctctgtg cctgatgaca agttccaaga
47701 cctgggtggat gctgtgcggg cagaaaaaggg tttccctctt ctggcatccc tgagggcagat
47761 gaagaagacc cggggcaccgc tgctggccct ggagcggaaa gaccactctg gccaggtctt
47821 cagcgtggtg tccaatggca aggcgggcac cctggaccc agctgtaccg tccaaggaaa
47881 gcagcacgtg gtgtctgtgg aagaagctct cctggcaacc ggcagtgaa agagcatcac
47941 cctgtttgtg caggaagaca gggcccgatc gtacatcgac tggaaaaga tggagaatgc
48001 tgagttggac gtccccatcc aaagcgtt caccagagac ctggccagca tggccagact
48061 ccgcacatcgca aaggggggcg tcaatgacaa tttccagggtt aggttcttc tctgaggcc
48121 gctccgtggg atcatctgtc agacaggatc cctggccaggaa gggctacagg aaatcctgtc
48181 tggataactaa cgcacgtt ctcagatttt aggcagcatc agcatcaccc ggagggttt
48241 tggataactca ccctgcgtca ccccgccccc agagtctggg attctgtaaa actgcaactc
48301 taacaagtac caggtgtatc tgatggccgtt ggtctggaa gcacactttt aaaaactactc
48361 aaggaaacaa gaaatggttt tccttagca gtcagcctgt tcaagcctta gatactc
48421 aggcctttaa gaaaagagct tatttcaaat gcatcccc aattttatc ttgtttgaaa
48481 tggataactt ctatggcag aatcgttacc actttgtat tggattccctc atggggatgc
48541 agctggtctc acataaaagg ttaaaaatgc agttagttgt tgctgttaca gttcatctg

FIGURE 1 (continued)

48601 tgccttaact tctagatctt tgcaacggtg gctttgaact cccacattta actctttgac
48661 actggaaagt gtcattatat cctctaggct taggatcaga ttccatttcc ttgttaccca
48721 agtaggctga taactgaatt cttttaaaaa tactcaagac ttggcagaag tcacaattaa
48781 gattttgaag ttgttggcg attaatgtt ctgtgttatt ttgacatagt gatcttaaga
48841 cagcttttgc aagcttttag aacatctatt gtatgtttt cctagcatac agacagtctc
48901 ccccaacccc atccccaccc cgctctgcat tctacaagta atgtgtgtcc tctgcccaca
48961 ggggtgtcg cagaatgtga gtttgcattt tggaccaca ccagaagaca tcctcaggaa
49021 caaaggctgc tccagctgtg agtacccctc tatttttagg gcacataggg aatcaggggg
49081 aattccacca aaaacaaact gaggaaattt gcaatagtgg ttatacataa attacccca
49141 gtgagatcat caagaggcat acagaagtga ctccaagggg tattatacac acacacgtat
49201 acacacgtgc gcatacacgc aaccctcta cctgcattt tcacacccaa taaaacgtct
49261 tctaccacta agaactcaag aggctgggtt gtaagagttt ctatttgaag ttttcattt
49321 gtttcttgc agctaccagt gtcctcctca cccttgacaa caacgtgggtt aatggttcca
49381 gcccctccat ccgcactaac tacattggcc acaagacaaa ggacttgcaa gccatctgcg
49441 gcatctcctg tgatgagctg tccagcatgg tcctgaaact caggggcctg cgcaccattt
49501 tgaccacgt gcaggacacgc atccgaaag tggtcagttt cctctgcacc cagcccgta
49561 gcatgaaccc tggaaagggtt atcgcagatg gtcccaaatg actgaaaatg cggggggaca
49621 ctaatgatat tctctcccat ttagactgaa gagaacaaag agttggccaa tgagctgagg
49681 cggccctcccc tatgtatca caacggagtt cagtacagaa ataacgagga atggactgtt
49741 gatagtgcgca ctgagtgca ctgtcaggta agggacccctc accagccaga ataagaatcg
49801 acggcttttgc tttgaaccta catcttgggg gaaataccct aatgcacca gagattctt
49861 ttatgttcca tggccctgata acaaagtgtt ttttttttct ttaagatgca attatggcat
49921 ctataagtgc ttcctttaac ttcagatgg tttatcaaag tattaattt accccagct
49981 aagtatctaa gagaatgaat ctactaagac atctgaataa tttacctacc ttagttcaaa
50041 gactaagtgt tgaatgtcag gtaaataaaaa cctgggttgg acattcattt ttttttccca
50101 accctgattt atattcagct ttggcatagg ttcttttagt acagtagcaa ttgttttca
50161 aatcaacttag tctgacactg ttagatgtt actgtctgtt ttgctcagat ggcactgcca
50221 ggtgtgtgat tcaactctagc atccccgcattt gccagtggtt agtgagttt gaggttccacc
50281 tggcttatct attaatagca aagtatttga atttgcttaa atacaatca cagatgactg
50341 gctgtggaa ccaacttcat taaattccct ttcttttcca atataaaagac agatcacaga
50401 tctatagatg aggaaaaaaatg gttatagat cttccttccct ccccccacacataatata
50461 aaaatgtaaa agtctctggct gaatttctg agtttgcattt cagacataga tttgaccat
50521 gatgtttgtt gtttctctg ctataaatttctt tttgtactgt aacttccacc cttgactaag
50581 tagcaattaa aaagaacttt ccaaggaatg gagtgacacg taaaactagca ctagaactgt
50641 ctctacgata gtgggtggctg caaatatgac agagacagat ctatggaaat cattccacta
50701 gggcattgac agccctgacc atgttttggc ttgtaaagga aatgttacag gatgttagact
50761 tctgtatgca acatgctcag cagctgttc ccctctcaact ctcttgcctt gcagaactca
50821 gttaccatct gcaaaaaagggt gtcctgcccc atcatgcctt gtcctaatgc cacagttcct
50881 gatggagaat gctgtcctcg ctgttggcgat aagtttctca aatggcatag ctattctca
50941 gtgacttaggt cagttctaca tacatcttag acagccgagc acaacactgg aaccccccaccc
51001 ccatctccat catgcttcca ttcttttct tgcgtcagca gctggtaac tgacagctta
51061 tctgtgtac agagccaaaa ctccattatg agtacatctgt aattaccat ctggatttgc
51121 gtaatggcag tgaagatctt ggtatagctc attaattctg attttttgc ttgagggaaa
51181 gagatgaaga cgtggcagca acagctctaa gttgactgtt ttttagattt gaccttagt
51241 gcacagagtt aagaaaaatc tgctcaccag agatattgac aggcttactg tgtaagcatt
51301 ggcctgatcg ggccttggaaat ttttgcctt ttcatctgtt gggataagag ggcctaaagag
51361 aatagcagca atctgagctc tagagccacca aaagaaataa ggcacgatcat cttccatgg
51421 cacgttatcc ctggcttttgc ttaccagttt aatgaatgac tttgttgc gata caataacttag
51481 tgttagcaggt acaagttata aaagtgttcc attacaacta agataaggaa gaaaacacgaa
51541 aaacacgact tgccttcac acacacagaa acacacatgc acacacacac aaacacaccc
51601 ttgtcacagc tcagaataac caattccatc cagggatcat attagcgata ttggcactgt
51661 aatggtcgtt tttacatctt ttttgcattt cgcatttcaact taacatgtgc gttaaaagga
51721 acaaaagctag ctggaggttag caaagtttttgc aacttgaatc aggattgtt aagaaaactt
51781 acaactaatg accacagaaa gtaagtttgc ttgttctgtt ctgatcagc tagatgtat

FIGURE 1 (continued)

51841 tggtagccgtg gtgcctggc agatggtaaa caaacatgct gtccttcttat gacaatatgt
51901 gcagagaagg ccccaaacgc tggggtgaga ggaacaacaa actgactaac tcacggccga
51961 gttggagcca gaaccaacaa cagctcggtc gccttcacac tcatctgtca aacacatgg
52021 gtatggctcc cctgacagaa atgactccta taagcttct catactcgcg cattcttgg
52081 agtctgagac tggaaatgcc taccagata tggtaagtca gtaaaggaaa actcatttgc
52141 aatgctgaga ggagaaagaa aatcaatgaa taggagagca tacactgtgg gaaggctcg
52201 ctgtactgag ccaggcaaag catccgatta ccccactgct gtacacatca tgacctgg
52261 taaacccctg ggccgttggc ctaagaaata tggctttt catcctgtat aactgcaact
52321 ttgtgcccggc tcataattatg ttcttagagag ctcatgtaca ccatgggtgac catagttat
52381 aatactggat tggatgttta aaatttgcata agagagtaga tcttaagtca tcaccaaaaa
52441 aagtaactgt aagatgtgg agatgtgtta attagcttga cgggtggtaat cacaatata
52501 gtgtatatac aaacatcaca ttatacacct taaatgtata taatatttgc caattata
52561 tcagtaaagc caaaaagaaa taaatataatt gcttttcacc ctctggcaag tggagggccc
52621 tgaacagagc cctctaaaga acagttgtc ctaatcatca cgtacactgt gAACCTCTGT
52681 ttcccctgca gccagegact ctgggacga tggctggtct ccatggtccg agtggac
52741 ctgttctacg agctgtggca atggaattca gcagcgggca cgtctctgca atagctca
52801 caaccgatgt gagggttccct cggtccagac acggacactgc cacattcagg agtgtg
52861 gagatgtaaag catcttagcc tctcaggac gtggagaact gacctgtcct tggatgtc
52921 accaagggca gctccacagc atgtatatta agaacacggg ttcttaggatc tctggatccc
52981 aatcccactg cttagctgtc cacccttgc cacaacttac cctctctgag gctcttcct
53041 catttgcac ttggagataa taatagtttgc tggatgtttt atcttgcata ttttatttt
53101 atactgcatg taaagcagtt agcactgagt tttggtttgc gtaaggcacc ctgtaaatgt
53161 taggatatta acagcaaccc ataaaaacag cgaacttac cgttctctgg tagaaaaacat
53221 tccatgttgc catttggca tggggccagg agccaaatttac taccgtacac tgggttt
53281 tgcatttgc catttccctgg aaatacttct gcgtgttgc gatggggagcc tctatgg
53341 tggctctcaag cccaaaccat ttgtgaccat caactctgtt ctttagttt acaggatgg
53401 ggctggagcc actggcccccc gtggtcatct tggatgttgc catgtggtgc tggatgt
53461 acaaggatcc ggctctgca ctctcccgcc ccccaatgtt acggggaaacc ctgtgaagg
53521 gaagcgcggg agaccaaaagc ctgcaagaaa gacgcctgca ccagtaatgt tgagg
53581 tgcaagggtt agcatggca gcagctctgc ccagctggcc gcttggcattc tgcagg
53641 agttcagtgg gtcataagc aggaaggta cttactagag aacaaacag aagcaagtc
53701 ctgcaggctc agcaacttct ttatgttgc aacaaactca cccttctccc cagcattt
53761 tccatgttgc agagaagcag aggtttcttgc aacgggttgc ggagatgttgc tgacaagg
53821 gggatttgc aatgtatctt aattgttgc tggatgttgc tttttttttt tcaatgg
53881 ctggggctt tggatgttgc caccat gggacatctg ttctgttgc tggggaggag ggg
53941 acgtatgttgc ctctgcacca accccacacc ccagtttgc ggcacaggact gcttgg
54001 tggatgttgc aaccatgttgc gcaacaagca ggactgttca atgggttgc cacc
54061 agatgaaac gacccaggag ctttgcattt ttaatgttgc tttttttttt tcaatgg
54121 gatccagct tggatgttgc tggatgttgc gatgttgc tttttttttt tcaatgg
54181 atcccaacaa gttatgttgc ccttataacc tataatatct tacactgttgc ttttttt
54241 gcatggcagt atggcagtttgc agaccaacca tttttttttt tcaatgg
54301 cagatggatg ctttgcattt ccttgcattt cccgggttgc tttttttttt tcaatgg
54361 gcaatggaa atgtgggttgc tggatgttgc tttttttttt tcaatgg
54421 atgttgcatttgc ggttgcatttgc tggatgttgc tttttttttt tcaatgg
54481 ctttgcatttgc tggatgttgc tttttttttt tcaatgg
54541 ccatatgttgc aagaatgttgc tggatgttgc tttttttttt tcaatgg
54601 aacacggacc cccggatgttgc tggatgttgc tttttttttt tcaatgg
54661 ttcggccagg gtttgcatttgc tggatgttgc tttttttttt tcaatgg
54721 aaccatgttgc ctttgcattt cccgggttgc tttttttttt tcaatgg
54781 tcataccctt caccatgttgc tttttttttt tcaatgg
54841 cgttgcatttgc aatccatgttgc tttttttttt tcaatgg
54901 tggatgttgc tggatgttgc tttttttttt tcaatgg
54961 tcaagaaaaaa taaacatgttgc tttttttttt tcaatgg
55021 agatgttgc tttttttttt tcaatgg

FIGURE 1 (continued)

55081 gattcttgg tccatgatat ctgaggattc tcaaaagctc tggtaacag cagcatgg
55141 taccctcagg tgtcaagcc ccgttaacccc tgcacggatg ggacccacga ctgcaacaag
55201 aacgccaagt gcaactacat gggccactat agcgacccca tgtaccgctg cgagtgc
55261 cctggctacg ctggcaatgg catcatctgc ggggaggaca cagacctgga tggctggccc
55321 aatgagaacc tggtgtcgt gccaatgcg acttaccact gcaaaaaagg agagccaggt
55381 cctttgtgtg cctccagaaa gagggcccat caccttatca aacacaggc taaggaattt
55441 taaatactta aagttggac atgaaactga aagattaaat ctcccaaagg gagagggca
55501 ctaattccta taaaattaa atcaattggt gccaaaaaca tgaacaggc tagcttttt
55561 tggcaactg tggccatag tcaactcttc tgtccaaaaaa aaagttcagt actctatcca
55621 aataccagca aagcatgact tgtgttcaca acatctataa agcctagagc atttacacaa
55681 attctgtatg tataatcccc aagaaaagg ttatccctt gtctcccat aaaaaaaaaata
55741 tgcgttact gagccaaatt ctgttcttt tctatttggg attcaggta cactccctcg
55801 tgcgtgagct cagcatgagg aaggcaactg aagcagtgt atatatcttc tctttcttag
55861 gataattgcc ccaaccccttcc caactcaggg caggaagact atgacaaggaa tggaaattgg
55921 gatgcctgtg atgatgacga tgacaatgt aaaaattccag atgacagggt aaaaacagtt
55981 ttctatccct tttcatctt ttcatgttca cAACAGCTG aaacactttt ggattcaagg
56041 aaattacatg gctatagcaa aaaaatatacc aaatcaatac acaggataat tagaaattat
56101 tcattgtgtt ccagtagttt aaggatgttag atgttgc当地 gagaattttt aaatgagggt
56161 tttgttttc atcagaactg ttttctctg tacttgagaa attataatgc ataaacaaat
56221 gccactttgt tccctagatt catttcaat gtcacatcga aattacagta aaattgactt
56281 tggcacact atgaactgag atgatggat tatattctac attcactaa cttctaaacc
56341 acagggatcc attttttaa ctatgtcctt ttaactttt tagtgcgt tttacactga
56401 gtgatcaatt agcctatcca cttaggtagaa agtattgcgt atttcacag ttttagacat
56461 attatgcaca tggtttggg cttgagctgt tttcaaggac aacattgtta agtgcctcat
56521 ttcttctctt tgcaggacaa ctgtccattt cattacaacc cagctcagta tgactatgac
56581 agagatgtatg tggagaccc ctgtgacaac tgtccctaca accacaaccc agatcaggca
56641 gacacagaca acaatgggaa aggagacgac tggctgcag acattgatgg agacggtaag
56701 gtgcgcctg atcagagggc ccgcgggaga cagggacatg cacagcttc caaacgtact
56761 tctgtcttagt cctggctatt agtatgcact ttggggaaa catccaaggc tggagagccc
56821 agcttttatt tggccctt tctttcagg tatactcaat gaaacgggaca actgcctg
56881 cgcttacaat tggaccaga gagacactga tatggatggg gtggagatc agtgcac
56941 ttcccccttg gaaacacaatc cggatcagg aggtggatgg actccttca gagtcttca
57001 gtaaaactgtt ggaatatacc tttcatggcc tttggaaaat gagcttaaca aagttcaaac
57061 actttcatta ctgtggctcc ctggcttctc atagccaaact ggaatacgtt catgtaaata
57121 atttgcctga tggagctcc ttgcacagag tctcacagat cttagcatg aagatctgg
57181 aacttcagtc ttacctctg taagaagggc tactggactt gtcagcatc gtctaccatt
57241 gttaagacaa attataaaaaa gcaagacatct gtgactgaca actgtacaat aatattaatc
57301 atatgtataa ctaagagatg gaaaaataaa tgtgcataag caaaataacc atttcatgg
57361 ctaatgtatg aatctagcta taagaaaaatc atcaaaactaa ggatacatcc aaaacccaaag
57421 taatttatcc ctgtcataaa cattaccatc acagtataca acacaggggac cagtggctg
57481 ttccatctt ttcaggactt ttcatggaaag tgcacgtgtc aacagtttta caactgaaac
57541 ctctcaagga aattctctgt tataaagtat ccagaaaaatt tcatttaaca ttaagatgt
57601 aacagttaac atttcatttc atcttttagta attaaatatc actctatgg accttattta
57661 gaaagttta tatgtaaaac atttttaat tttcccttct cagattttta tacggaaaaca
57721 aagataaaagg aaaaaaactt tttttatgtt attgctacta ttgttatctt tctgcaggag
57781 tggtaataa gacatgacac cccactggct gtatcaaaca atggagaatt ttccctgtgg
57841 tgggggcata agttatctt aacatgaatg ttatctactg caatttaccc tccattaca
57901 tctctcttcc agctggactc tgactcagac cgcattggag atacctgtga caacaatc
57961 gatattgtatg aagatggcca ccagaacaat ctggacaact gtcctatgt gccaatgcc
58021 aaccaggctg accatgacaa agatggcaag ggagatgcgt gtgaccacga tgatgacaac
58081 gatggcattc ctgtgacaa ggacaactgc agactcgtgc ccaatcccgaa ccagaaggac
58141 tctgacgggt agtcatggg gcaactttct aagacaggga ctgctggcac agctgttag
58201 attgaagaaa tggaaaccaag gctcaaaagca tttgacagga tgaagggacc aaatgccaac
58261 ttagacaaga tagtgcacatt tctgacacca gtaataataa tagcacttta gaattttgt

FIGURE 1 (continued)

58321 gaactcttgc tttttgacc tcaggcgatg gtcgaggtga tgcctgc当地 gatgattttg
58381 accatgacag tgtgccagac atcgatgaca tctgtcctga gaatgttgac atcagtgaga
58441 ccgattccg ccgattccag atgattcctc tggaccccaa agggacatcc caaaatgacc
58501 ctaactgggt tgtacccat caggtaaag aactcgcca gactgtcaac tgtgatcctg
58561 gactcgctgt aggtgagtag cgagttctta gatcctaaga gactgatgca tacatggga
58621 aaaacaaata taaaacctgg cagttgtacc tatccctgtg ggtgctgagg atgtcttagga
58681 acatgatgga gaacccctg aaggctcgag gtttaacct ggctctggc tcttcttcca
58741 gtttatgatg agttaatgc tggacttc agtggcacct tcttcatcaa caccgaaagg
58801 gacgatgact atgctggatt tgccttggc taccgtcca gcagccgctt ttatgttg
58861 atgtggaagc aagtcccca gtcctactgg gacaccaacc ccacgaggc tcagggatac
58921 tcggccctt ctgtgaaagt tgtaactcc accacagggc ctggcgagca cctgcggAAC
58981 gcccgtggc acacagaaa caccctggc caggtagaa gcaaagccct ggaacagaga
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59101 agggagtctt agaaaattcc cagcatcacc agctgcagca ttgaactctg ctttgtaaaa
59161 acataatagt gttgaaaagg gagttgacc aagaattgcc ctgcaaatcc taaggtgcct
59221 tcagccctt caaacaaaaa aaccccttc cccctcttct gtcgtcttta tatgtgtgct
59281 cagtggcaca caacaaatat gagaggactt gaaaaattc cccattgcag ccctctaact
59341 tagatcagct cagtaccctt caagcattgt ttctgtatgaa atgaaataga aatcttacc
59401 tgaaggagct gtgttcaac cttccctt ccccttcctt caggtgcgc ccctgtggca
59461 tgaccctcgat cacataggct gggaaagattt caccgcctac agatggcg tcagccacag
59521 gccaaagacg gtttcattt ggtacgatca tactgattca ctttactta cagtcacact
59581 gaggacaaa aagacaaaaa gtattaaata gcattgtcac taaacaagat ttttttccc
59641 tgcagagtgg tgatgtatgaa agggaaagaaa atcatgctg actcaggacc catctatgat
59701 aaaacctatg ctgggttag actagggtt tttgtcttct ctcacaaaat ggtgttcttc
59761 tctgacctga aatacgaatg tagaggtaa agcaacatca ccatgaatgt acactggaca
59821 tctctatttc agactaatat caaggatgac gtttatggg ggtccagtg taaagactgt
59881 tttggagaca gggttatcc tattttgtt ttgaggacac aaggacaaaa atgaaataat
59941 gcctaggcac tggcttat ggttcctga gtccttagct ataataattt tttgcttagc
60001 aatctctgtg ctccctcatac acagtgc当地 ggtttagctg agaaaagctc ctatataatt
60061 tggacttcat taataataact gttcttaca attatataattt tataatattt actgcttatt
60121 gtttatgca tgccatcaca gcacgagttt gcatcccaa cttttccctg tataaaaaa
60181 agggagagga atgttgc当地 catattggca tggtaaattt atgttcaactt taaaacttag
60241 cattttttt ctcattttt tttacttag tcattactta agctcgctga gtccaaacact
60301 ggccctacca caaaaataatg gcttaatata tatttactgg gccaaggcca gatacctaaa
60361 agatcaatga cagttagagaa agatgggtt gtttactcaa aaaaatctaa attattaatg
60421 taatttttga gtccaaatattt taaaataag actccctaaa ctgttaacat tgaaagccctt
60481 tggaaagcat aataatgtt ctggaaagggtt caccgtgtt cggctctcata gcatcaatgt
60541 cagctaataa aattaaatgc taatgtgtt gaaacacccctt aaaaatttaggc ttttgcatt
60601 agaaaatgtt agcttccctt atgtggttt ctttataactt aagatgtctt tgctttatg
60661 aattatgtt catttgc当地 tttatattt tttgtttttaat taaacagatcc ctaatcatca
60721 aattgttgc当地 tggaaagactg atcataaaacc aatgtggta ttgcacccctt tggaaactatg
60781 ggcttgagaa aaccccccagg atoacttctt cttggcttcc ttctttctg tgcttgcatc
60841 agtgtggact cctagaacgt ggcacccgtt ccaagaaaaat gcaatggggaaaacagact
60901 cagcattcag cctccaaatga ataagacatc ttccaaagcat ataaaacattt gctttgggtt
60961 cttttgaaa aagcatcttcc ttgttccatg tggaaagggtt cccattccac tctgccttgc
61021 tcacagagca ggggtctt gttggccat ctgtggccat gggactcaaa agcattttca
61081 ggcattgtcag agaaggaggactcactaga attagcaaaac aaaaccaccc tgacatcctc
61141 cttcaggaaac acggggagca gaggccaaag cactaagggg agggcgcata cccgagacga
61201 ttgtatgaaag aaaatatgaa ggaactgtt catgttccgtt actaagtcat tttcaggggaa
61261 ttgaaagactt attgtggat ttcatgtatgc tgactggcgtagt gtttggat acccatgtaa
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61381 gatccccacc cttactcatac acctgcagtg gccagaattt ggaatcaga atcaaaccag
61441 tgtaaggcag tgctggctgc cattgcctgg tcacattgaa attgggtggct tcattttaga
61501 tgttagtgc当地 gggaaaata gggaaaaccta ccatctcaggc gggccaccggc

FIGURE 1 (continued)

FIGURE 1 (continued)

64801 gaaaataatt tactctgtgt ttctttctgt ctccttc ccccttc cttcccttt ttcccttc
64861 ccctccctc ccctccctcc tccttc tctctctc tctctctc atacatacaa
64921 acatcaaata ccagaaaagc atagatttag aaagctgaac tcctctgaaa cgctgacgga
64981 caacactggc ccctctgc cccacaacaa attctcaccc atatcacctt tgccctctga
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65101 aaatcacaac ttttaactta tacttccatc ccacagcaa actcttggca tcaagataaa
65161 ttatacgtag cacattgaca tcagcatgaa caattgctat tttaaatgaa caaatagtaa
65221 actgaaatag tgtctggaaa aagaaactgc ctatcaatac ctctgaaaat agtagctata
65281 gaattcctca ttttaaaaag tcaagggaaat tccatataaa caatcattaa tgttattcag
65341 ttcgttggaa tgaatcatgtg ccagaaaaaa caatgtttag tatacatcac tcaaatttta
65401 ttaaaggcag cacaatagcc cgctcatttt ttgattcaga aataaactgg acttccaatt
65461 ctaatgccaa ctcatcttat ggaatgtcaa cacaattt tctcatgaat ctaagttact
65521 gacttgtaac taaaccatct ctcttcaaattt agtaccgcag actgtcttt aaagtagctc
65581 atcttttattt gatgcaatct aaaaggccca aactctgaaa gaaaataaga aactattgtt
65641 aactattatt aacaaagtaa tataatcaaattt aattcactca aactcctact taagaaacgt
65701 gtcacatcca ataagatagt aaaggcttt ctaatattgc tttgttggaa caattcattt
65761 catcttatgg caggttgtac cagtttcaca gacatgagac aagtggaaag aaggaaaacg
65821 agggccacag caaaaattcc cagtgaccac catgatctgt ctgaatcaca gtagaggtga
65881 aacatacaaa attgaataca ggacaatcac agcacttcaa cgagtttac cctaacacgt
65941 atacattaaa atgttggtt ttataatgaa tcctaataact gtaagattag caataaaattt
66001 ataaaacaatg gtcccagaaa tttaatgag caaaaaccac tgaacaatta caccacaagt
66061 ctcaaaaata tcaagggaaat ataatccaca aagagcgaact ccaaagtgtca aatcaataa
66121 agaatagttct ctgcagtgc ttcattgaat tcaaataattt caataagaaa tttaattttaa
66181 cttcattacc aactttctga aaagcacacc cagcaagtcc ttgattaggg ttctttacat
66241 tcttcgtctg catcttagt ctccgtctca tctgcacata aaaacaataa ccacagttat
66301 tagagattca gaaatgtatg cataattaag aaaaacaact cagcctataa aatattaaat
66361 ccctttacac atgaggcaat aatcacactc tcatttataa cttactgaac agtcaccacg
66421 agctgcagac aaagttacg agaaaaatag aaagatcagg gcgcctactc tcattgagct
66481 tacagctcag ggagaacact acaggttttggagctaaat gattatggat gtggagacac
66541 acacagaagt taatattttt ctttctacta agttctggg aagtacagt agaccaaaag
66601 taaatgttat atgtagaata gataagagct gatcgccctt catttcttga agtgagaaaa
66661 aaaattgtga cattaacaga aaaggaatgg aaatattttt ctacccttgg tgagaaggtt
66721 atcagaaaat gcagaattga caatagaact aaatttaaa aagacaaaga gaaacaggag
66781 aaactggaaac cttcatgcac gactggcagg aatggaaaat ggtcagtag cttagaaac
66841 agtctggcag ttccctgagaa gtttaccata gacctggcaa ttccacttct aggtataagc
66901 ccaagagaaa tgaagcata catccataca aaaacttgcata cacaagcggtt catabcaaca
66961 ttatatgtaa tagccaaaaaa gtggaaacaa cccaaatgtc catcaatga tgaatggata
67021 agcaaaatgt gatatatcca tataatttgag acttattcaaa caatagaaaa gagtggagta
67081 tggatatacg ctacaacatg gatgaatctt gaagacataa tgtaagaagc cagtcacaaaa
67141 aggccatatg ccgtatgatt ccatttatataa gaaatgttca gactaggca attcacagag
67201 acagaaaagac tggtgattgc cttagggctgg ggttggggaa aatggaaat gattactaat
67261 accaaaaatg ttgcgttgc ggggggtggaa aaaaataaaaaa attgatagtg gtgatggagg
67321 tacaactctg taaatataact acaaacaattt gaattgcaca ctttaatgg gatgaattgt
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67441 ggggtcttc tagatgcaat taaattaagc ttctcgagat aagaagatca tctggattc
67501 tctgggtggg ccctatattc aataagaatgtt gttgttatac aaaaaagaca gaggagggatt
67561 aacacacaca gatggagggaa ggcaatgtga agacggaggc agagactggg gtgacgtggc
67621 cacaagccaa ggaatgccc tagccaggag aagctggaaag aagcatggaa gcgttctagc
67681 gttctctctt agggcctcca ggtggcgtgt ggccttggg acacctgtat ttcaaaacttc
67741 tggcctccaa aactgtgaga gaataaaattt ctgtcatggt aagttgttgc gacaaccata
67801 gggaaactaat acaaataatataa gaattatatac tcaataaaatgtt ctttataaaa aaaagactca
67861 accttgcata gaagggcaga tgacttgcaat tttcagagca aagtgataaa ttttttttttt
67921 ctgtcaacac atggagaaga aatattaaac aggtatgttgc ggcaggtggg atgaatgaaa
67981 agtggatcac aataccccca tgcatgaggt gggagatgtt gggacataat tccacgcctt

FIGURE 1 (continued)

68041 cgtaagtgcatttctcacatggagtgttcttttgcaccaggacaaataaccattc
68101 atcccttggaggcacaacttaaatgcacccctctatagtgtgtctatgtact
68161 ttgtcctgaaatcttactatgtttgtcccaccctactgtatataatgtgtcttttag
68221 gcacttaaaaatttcatcaatagaactatggagtaacaaaaattttcataatat
68281 acctagaacaacggcctcaactggggaaatttgcccccaaagaacatttttgcataat
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68461 caaaatgctaacagtgcataatggaaacttgcataacttagaaaagcaatcataat
68521 aggagaatctcatgaaatgtttgtgggtaatcgatgaaatggatgcagatggat
68581 gatgaatgaaatgcataatggggccttggggtttaaagcatggtgcacagcagaatcaccc
68641 agaccctgtatctcagaaactgacttataatgtactgtgcacaaacccttgcataat
68701 acttaattcaatgcataatgggaaatccaaatgtctatcttttgcataatctcaatgcataat
68761 ctaacatgcaatgcataatgggaaatccaaatgtctatcttttgcataatctcaatgcataat
68821 aatgcctggcggcgtcaaggcagacggaaatggagactgttgcacaaatgcataat
68881 agcatagataatgcataatggggatgtgttgcacaaatgcataatggggaaatgcataat
68941 gtagagaactcaaggagggatcccgatggggatgttgcacaaatgcataatggggaaatgcataat
69001 gaatgacaatggatggctggagagatcaatgcataatggatgcacatgttgcacaaatgcataat
69061 taaaaaagaaatttaaatggggaaatgcataatggggaaatgcataatggggaaatgcataat
69121 ctgtacattatccatcataatggggaaatgcataatggggaaatgcataatggggaaatgcataat
69181 taaaccatttgcataatggggcgttgcataatggggaaatgcataatggggaaatgcataat
69241 tcttaaattcaggctctgatccatcataatggggaaatgcataatggggaaatgcataat
69301 ttgttgccttgcataatggggaaatgcataatggggaaatgcataatggggaaatgcataat
69361 ccaccccccggatgcataatggggaaatgcataatggggaaatgcataatggggaaatgcataat
69421 catgcaccacatccggcataatggggaaatgcataatggggaaatgcataatggggaaatgcataat
69481 ggttaggcttgcataatggggaaatgcataatggggaaatgcataatggggaaatgcataat
69541 gctgggatcatggcgtgagccacatgtgcgcgtggatgcataatggggaaatgcataat
69601 ccagttgtatgcataatggggaaatgcataatggggaaatgcataatggggaaatgcataat
69661 cagtaacttttgcataatggggaaatgcataatggggaaatgcataatggggaaatgcataat
69721 tgataaagtgtatggacatataatggggaaatgcataatggggaaatgcataat
69781 ttttatactgtatgcataatggggaaatgcataatggggaaatgcataat
69841 acctcaagaaatggggaaatgcataatggggaaatgcataatggggaaatgcataat
69901 tataaacttacatggggaaatgcataatggggaaatgcataatggggaaatgcataat
69961 aatatggcatctgtatggggaaatgcataatggggaaatgcataatggggaaatgcataat
70021 caaaggggggatggggaaatgcataatggggaaatgcataatggggaaatgcataat
70081 tttaacaaatggggaaatgcataatggggaaatgcataatggggaaatgcataat
70141 attaaggcaatggggaaatgcataatggggaaatgcataatggggaaatgcataat
70201 aagatcagctatggggaaatgcataatggggaaatgcataatggggaaatgcataat
70261 actatactatggggaaatgcataatggggaaatgcataatggggaaatgcataat
70321 ggtatgactatggggaaatgcataatggggaaatgcataatggggaaatgcataat
70381 aaaagtcaatggggaaatgcataatggggaaatgcataatggggaaatgcataat
70441 tcagcctcaatggggaaatgcataatggggaaatgcataatggggaaatgcataat
70501 tgaggatcccataatggggaaatgcataatggggaaatgcataatggggaaatgcataat
70561 ctcaagtgttgcataatggggaaatgcataatggggaaatgcataatggggaaatgcataat
70621 cccagggactctgtatggggaaatgcataatggggaaatgcataatggggaaatgcataat
70681 aagcaaaaaatggggaaatgcataatggggaaatgcataatggggaaatgcataat
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70981 ggagaatacatggggaaatgcataatggggaaatgcataatggggaaatgcataat
71041 gaacttgcgtatggggaaatgcataatggggaaatgcataatggggaaatgcataat
71101 aatgttcaatgttgcataatggggaaatgcataatggggaaatgcataat
71161 atttgaatgttgcataatggggaaatgcataatggggaaatgcataat
71221 gatagacaaggaaatggggaaatgcataatggggaaatgcataatggggaaatgcataat

FIGURE 1 (continued)

71281 tctccatcta gcagcagagc aaggattcaa acccaggtct tccctaccca gaaccatgt
71341 tcctaaccac taggccactt cccactgggt ggtggtaggc caccctccct ctgctaattct
71401 aggttcttagc ttgggattct gctacttact tggactccct taatttggtc ctttgagtaa
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71521 ttgctagaga ctgaggattt cctggAACat ggaacattca atggtaaaac caggacactt
71581 ctgagcaatc caagacagtt ggccactata gttttcattt aggggttata ttttaaaaag
71641 aaaacaaaac ttacatgact cttgttgcattt tactatagg cttttaaact gacacacaat
71701 tgtacatatac tatgggatac acagtgatat ttaatacat acaatgtcta gtggtaaaat
71761 caggtaaattt gcatacccat cacctcattt atcaattctc tgggttaaga acattcaaaa
71821 ccttccttc tagctatctg aaaatatata ttattgtga ctatagtcac cttacagtgc
71881 tatagactat tagaacttat tcctcctata aagctataat tttgtatcct ttaaccaata
71941 actccctatc ctttcctccc tgcttaactta tacaattttt caagaataact gttcactcaa
72001 caggtccaaac gagaattcc actttgtttt tcttaaagaa ttgtgcagt tctgtcccc
72061 tttttactg cacaactgat ttgtgtccg ttttgcctt atttactat gtttgttatt
72121 tgcttaatacc atgttcatct ttatTTTatg aatttctgtt aataatttagc tcaaattgtt
72181 agtaggaagg gagaataacta tacaagcata ggtggctttt gctttgatta cctagaaaagc
72241 aactcagttat tagataattt gattaaatac tagactaact cacagacactg atccttttg
72301 cttcggaaagt gccagtgatcattt tcaggattgt ctctgggtt aagtgtgacc tgacaacact
72361 taatccccac ttcctctatg ctccccacaag gaggaaacttgc cttgtggaaatc atcctggcct
72421 cacttcacac cttccacact gtcgtggaa agctaagttt gggagatgaa atggcatgct
72481 cagtcagcc cttgccttccctt caggagtcag cacccagctc ccacctgacc ctgctcccc
72541 aggctccatg ctgcgttccctt ccacccattt ggttttacat ggacaggctt ccacagatga
72601 tgccctgagat ttccatctc tgccagtgac tgggtgagta cgtttattttt aaaggcatag
72661 cattggaaagc ctgtctggct gcccacccgg atcatgacaa tccctctacat ttcatttagca
72721 ataaagcgaa cttcccttgcattt cttccattttt cagaatctat ctctctctca gtcgttctg
72781 acctgggtgg ggaagagaag agtcttagttt atttgtcccg taaaacccca gtaacttagt
72841 agtacaatgc tgaattttactt gaaaccttgcattt ttcaaaaaattt caaataatac tggttaccat
72901 gaagcttaaa gcacaaacat tgataatgtt tttcacattt gggagatgaa atggcatgct
72961 taggcaaattt cttatTTTtcaatttccca tttaaattgg tttcaaggt cactgagttt
73021 ggttttagtt ttgaagcctt atctgactt gccttttgcattt agcacaattt gtttttttt
73081 aacagacctc agcacatcaa ggaaaagaca actacgttac agtaataactt gtttttttt
73141 gaaaaacaa taaatggctt ttccattttt cttccctgtt gttccagaa atctaattcc
73201 aatcacactc ttgtgtatctt atttccctgag aaggaggtag aacagaaatg taacagccaa
73261 acacgcagca actccctattt agttatgtct tcaaaggctt ttttgcattt gtttttttt
73321 cagatttcag ttttgcatttgcattt cttccattttt gaaaggcacat aatggacaaat ttagtatttt
73381 agaataaaat tggatcagca gctattttaa taatttataaa taatggagggtt agtaaaactc
73441 caacttcaga tatttcaaca tgctcaattt aataatgttac gacccatttcc tttaggtt
73501 ttatgttataa aacagaaatg aaaaatatgtt tcacatattt acacctaaga caccttattt
73561 atagtcacag ggtttatgtt tataatttgcattt tatttgcattt atctggatata atcagagcc
73621 tggatcatttttgcattt cttccattttt aagtgcattt aagttccattt tcattccattt
73681 ttgtcatgtt ctacccaggatg acagatattttt tcacatgttca ctttttttt
73741 aagtccatc ttgttatttttgcattt cttccattttt aaccccttat atatggactc catggaaatg
73801 agatcccata cacaagaaat gatttgcattt aattttgttac gtttgcattt agaagtcaga
73861 ggagatttcag atacttttgcattt aaaaaacac tttatccaaa aagaaggaca atataacttca
73921 atttcagatg agaacaaatg ttttgcattt cttttttttt atgaagatct tgggttgaa
73981 gaaagcaaaac cacacccatc taacttgcattt gttttttttt gtttgcattt atatggactc catggaaatg
74041 aaaaacattac agtggaaatg ttttgcattt aatgggttac gtttgcattt atatggactc catggaaatg
74101 catacccccacca aaaaaatcc aaccaactat ttacagacaa gaataatcttca attaataacttca
74161 ctgaaactccc tggatcatttttgcattt cttccattttt aaccccttat atatggactc catggaaatg
74221 ctcatcaag gggatcatttttgcattt cttccattttt aaccccttat atatggactc catggaaatg
74281 ccaaccccttgcattt cttccatttttgcattt aaccccttat atatggactc catggaaatg
74341 agatccatc ttgttatttttgcattt cttccattttt aaccccttat atatggactc catggaaatg
74401 ctttgcatttgcattt cttccatttttgcattt aaccccttat atatggactc catggaaatg
74461 tagaccacccatc aggttcatttttgcattt cttccatttttgcattt aaccccttat atatggactc catggaaatg

FIGURE 1 (continued)

74521 atggatcttg cagtggctct gcattctagc caatggaggc actccaccag agaaactggc
74581 caacagcatt agcaactgtcc tgcaggaagt atagtcact gatctgcag gttcattcc
74641 ctagccagct tccccaccta gctctgtgc ttccttaag cttccccag gccaggcage
74701 aaggcaggt cagtattac ctaaggaggg tagcaacggg ccccacccaa ccccagcagc
74761 caactagct aaccctacca agccttcatg ttctgtctaa ggcttgcag gctaggaggg
74821 aagtgcaggt caatgaatga atatctatgg acaaaagtac ctggcccccac ccaacccag
74881 cagctgcatg gtgacccac aaagcctcag tgcttgctt aaggcttccc tgagggaaagc
74941 ctgcatccat gtgttctct agacgatagc ctggcccatc ctgaatggct gagcacaaca
75001 gcagaaacct caccctgtcg ctgagccag cacacagacc tgccagcta cagattaaaa
75061 acagcgtac ttcccagcca gggaaaacaa catgcaaccc tgcataatca gaggcttatta
75121 cagagccag ccagtagctc caccttaact gtggagtcca gctagtgtatc tgctctatca
75181 gaccacagag cacagccaga agtccactt gacctaag aacagccagc aggctggccc
75241 aacagcaaca ccaacagcaa ggtgtacctg tctgggttg ttaccagctg gcttatccat
75301 aatcaaatgc taaactaact agtgaaggc taccactgtg aaagaaaacc ttcaaggcca
75361 aaagaggtgg ccatttcctc aaatgtgtag acaacaaggt ttagaaagaa tcagggaaat
75421 gtgacacaac aaaaagaaaac taataaagcc ccaataatgg accctgaaaa aaatgttagag
75481 ctataaaaaa agaatgaaga aagcctacat aaatctatgg gacaccatca agaaaactaa
75541 ctttcttata ataaaaattct aagaaaagata tgataaagaa aaaggccag aaaaatatatt
75601 taagaaaata tggctgaaag tttccaaaat ttgtggaaat atgacaacat ccaggtataag
75661 aaagctcaga gatctccat taaattcaag ccaaagatga gtgcaccaag acaaattata
75721 atcaaactat taaaaacaa agacggtcag ggcgttgc tcatgcctgt aatcccagca
75781 ctttgggagg tcgaggcggg cagatcacga tgcacgc tgcacgc gcaatatgg taaaacccca
75841 tctctgtctaa aaataaaaaa atttgctggg catgggttg cgtgcctgca gtctcagct
75901 ctcaggaggg tgaggtcagga gaatcgctt aaccctaggag gcagaggctg cagttagcca
75961 ggtatcatgcc actgcgtct agtctgggtg acagagcaag actctgcctt aaaaataaaa
76021 taaattaaaa taaaataaa acaaagacaa agaatcctga aagcagtaag agatcaggaa
76081 tgtataatata tcaagggagt cccaaaacag caaccagcag atttctcagc agaatccctg
76141 caagccataa aagggtggaa taatataatc aaagtgtaga agaaaacaa aactggcaac
76201 caagaataact taactcagca aagctatcc tcagaaataa gggataaata aaaaactttcc
76261 caaacaaaaca aaaactaagt aagtttatca ccactaggcc tgcataacag gaaatgtctaa
76321 agggagctaa gctgaaataa aaggctccta attgatacat aaaactata aaagcaaaaa
76381 gcactaaatg gtgtaaatg gacatagtca tattcagaat aatactgtaa ggtatgtgt
76441 taaaggaatt ttctctgtat tatgagagtt aaaaaacaaa actattaaaa acaaattgcag
76501 ctataataaa ttgtttaaagg aatccaaatt aaaaaagat gtaaaattta catctaaatc
76561 ataaaaagttg tcggggggag ggcgttaaag tattgagatt ttatatgtga taaaagttat
76621 cagctaaaaa tagctcttta taataagata tttgttgtt gttttttttt attttttaag
76681 gagatggagt cttgtatata tgcccagca gggctcaaac tccttgctg aagtgtatctt
76741 cccacttcat ctttccaagt agatggact acaggtatgc acaaccatgc ccagctgt
76801 caagatgtt tatataaacc tgcgtttaaa cacaataaaa aacctgtat agttgcacaa
76861 aatataaaaag gaaaagattc aaagcatacc atcacagaaa attatcaaac cacaaggaa
76921 agtagcaaga gaggaagaaa gaaacaacag ctatcataaa caaccagaag caaattacaa
76981 aatggcagta gcatgtctt acctatcagc aattacctt aatgtaaatg gattaaagtc
77041 gctagtcaaa acacatagag tggctgaatg gttgaaaaa atagtaataa aaggccaaact
77101 atatgttacc tgcgttact tcactttact agtaagaaaa tacatggaca aagtgttgg
77161 atggaaaagt tactccatgc aaatgaaaac caaaagagag caggggttag ctataacttat
77221 atcagacaaaa atagacttta agtcaaaagc tacacaaaaga gacaaagaag gtcattatata
77281 aatgataaaag ggatcatttc attaagagga cataattgtt aacatataca caccacac
77341 tggAACACCT aaatacataa agcaattatt acatgtatgc agagatagac tgcaatagta
77401 taagagttagg ggacctcaat accccactt caatgttgc gatgtatct agacagaaaa
77461 tcaataagaa aacattggac ttgttattaca cttaaatca aatggacccctc acattccat
77521 acaaaacatc acaccctaca gcaagaaaa acacattctt ctcaagcaca catggacat
77581 tctccaggat agggcacaat acaagtctt atgaactcaa gaggattttt atcatatcaa
77641 gtatctttc tgatcacgt ggcgttgc aacatgttgc taacaagaaa tttttgtt
77701 ttcacaaata tttttttttt aaacaacatg ctctaaacca aacaataggt caggggggggg

FIGURE 1 (continued)

77761 aaaaaaggaa atcaaactat atttgagac aaacaaaaat ggaaacacaa catatcaaa
77821 ctaatggat gctgacaaaa gcagttctaa gtggaaata taaaacaata aatgcttatt
77881 atcaaagaaa aaatctaaa taaacaatct aatgttaaac ctcaaaaaac tagaaaaaga
77941 accaactaag tccaaagttt gcagaagaaa gaaaataaca aatatttagag caaaaataaa
78001 caaaatggag actagcaaca atagaaaaaa tcaacaaaac taagaattgg cttttgaaa
78061 agataaacaa aattgacaaa cccttagcta gactaactag gaaaagaaag aaagaaaact
78121 caaataaattc aaatcctctg aactcatcac accatcatgt aatggaaaga taatgattat
78181 gaccatattt ttgtctcatg atagtttag cttataaaaa aagtcttaat ataaacgacc
78241 aaaaataaaag aaatgcttaa attatgatac atcataagat acattgcagc catcataatg
78301 aatgatttag aagaatattt aataacacag aatgctaaa atataaaaaga aaaaatatac
78361 agaataattt ataagaagaa tatgaagaca atttaaaaata cacaactaga aaaaagatga
78421 atgtaatata taacaatgaa taggtctgga caatgattt atcttctaca cttttctgta
78481 tggtaatattt agccttcaac aaatttacat ttgttgcg attagaaagc aataacaaat
78541 actttttaaa gtcttaagc tcaaaaacttc tgcttattta aaaaaaaacg aaaaatgaaat
78601 gaaagaggag acattacaac tgataccaaa gaaataaaaaa ggtaattat gtaaaattat
78661 atgccaacat ataataacct agatattttt ttggataacc tagatgtgaa cagattcctg
78721 gacacataca tcctgccaag gctgaatcat aaagaaacaa aatctgaac agaccactaa
78781 tgagcaagga ggttgactca gtaataaaaaa gcctccatc aaaaaaaaggc ccagggccag
78841 atggctttac tactgaattt taccacacat ttaaagaaga actaatacca gtgcttctca
78901 aactcttcca aaaaactgaa gtggaaagaaa gccttctgaa ctcattttac aagaccagca
78961 ttacccagat accaaagcca gagaagaata ccacaagaaa aaaaattgc aggccaatata
79021 ccctgataaa cacagatgtg aaaaatcctca acaaagtact agcaaaacgcg attcaaaacgc
79081 aattaaaaga atcattcaca tgatcaaattt ggctttatcc ctggatgtca aggatggttc
79141 agcatatgca aattaataag tggatatac cacattaata aatgaagga aaaaaccat
79201 atgataatct caatagatga agaaaaagca tttgacaaaa ttcaacacca tttcatgata
79261 aaaaattctca acagattagg tatagaggta aagtacataa taaaggccat ataagataaa
79321 tctgtacta acatcataact caacgggtgaa aagttagaaag cttttccaca aggatgccca
79381 ctctcaccac ttttttcaa catagttactt aatgtctgg ccagagttac gcaagaaaaa
79441 caaataaaag gcattctaat agggaaatgaa gaaatgaaac tatctcttt tgctgtac
79501 atgatcttgc atatagaaaaa tgctaaagac tccacaaaaa aactgtcaga agtacaaaaa
79561 aaaaatcagt aaagttacag gatataaaaat caacatacaa aatcaggag catttctata
79621 cattaagaac aaactatcta aataggaaaat taagaaaaaca atccattaa caattgtctc
79681 taataaaaaa aattaaccaa ggaggtgaaa gaactatata ttgacaacta tagaacactg
79741 atgaaaagaaa gtgaagaaaa agcaaataa ttaaaaagatg tcccatgttc ccagcctggc
79801 ccacatggt aaatctgtc tctactaaag atagaaaaaa tttagccggc gtgggtggcac
79861 gcacctgtaa ttttggctac tcggggaggct gaggcaggag aatgcctga acccaggagg
79921 cggagggtgc agtgagccaa gatcatgcca ttgcactcca gcctgggtga cagggcaaga
79981 ctccatctca aaaaaaaaaa aaaaaaaaaa agatgtacca tattcatgga ctgaaagaat
80041 taatggttaa aatgttcaca ctatccaaag tcattatctat attaatgca attcctatca
80101 aaaaatccat gtcattttca cagaaatata aaaaaacaa tccttaatc tgtatgaaac
80161 cacaatagac cctgaatagc caaagaaatc ttgacaaaaa aagaagctgg aggtatcaca
80221 ctccttgatt tcaaagtata acacaattat aattgcaaca acatgtact ggcataaaaaa
80281 cagataagtc aatcaacaga acaggacaga aagcccaacta ataaactcat gcatttatgg
80341 tcaattgatt tttgacaaaag atgtcaagaa tgcacaatgg ggaatgggtgt tggaaaaact
80401 gaatatccat atgcagaata ataaaatttg atccttatact cactccatgt ataaaaatca
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80521 acagggaaaa tgctccatga cattggctg agcagtgact ttttttaat acgaccttga
80581 aggacacagggc aaaaatagac aatgtgatt atatcaaacc aaaaagtgtc tgcacacagca
80641 agaaaacaat gaacaaagta aagagacaat ctgtgaagta ggagaaaaata ttttcaaact
80701 acacatctga taaggggtta atatccaaa tatataagga actcaaacaa ctcaatagca
80761 aaaaaaaaaa aaaaaattaa aaaaataggca aaagacactga acagacattt cccaaaaagaa
80821 gacataaaaaa tggccacacag gttcatgaaa aaatacttag catcattaaat cattaagaaa
80881 atgaaaatta aaatcaaaaac gagatgctac atcacacctg ttataacaac tattatcaaa
80941 agatgaaaga gactgggtgt ggtggctcac gcctgtatac ccagttttt gggaggccga

FIGURE 1 (continued)

81001 ggtgggcaga tcaagaggtg agatcaagac catcctggct aacacagtga aactccatct
81061 ctactaaaaa tacaaaaaaa aaaaaaaaaa gtcaaactca tggaaagtgg aagtagaaatg
81121 gcagttacca gtggctgggg gatgaagagg gggaaaaagg gaatggagag ttgttggcta
81181 aagggtacca gtttcaattt aggaagaata aattttgaga tgaattgcac agcagggtaa
81241 ctacagtcat taatcacata ttgtatgtt caaaataact aagagtaat ttcaagtgtc
81301 ttaccacaaa aaaatggtaa gtgaggtgt agataatgt aatttagctt atttactcat
81361 ctcacattgt atacatacat caaatcatca tactttaccc cacaatgttataaattatg
81421 ccaatctaaa aaatattaat taaaaaattt cagcttgcga aatttcatgt aagaaaacaaa
81481 aaatccaaat atttatatag aatgtgtgac ttacataatt cttaaagcaac attacact
81541 ttcattggta atgtaaagaa taaatgtgaa ccataatttc agtgtttat tctaaaactg
81601 gttatatacatt taaattctt tatttattaa acaggcactt ggcttaaggc agcactttag
81661 acaccatgga aaatgtaaaca atgaattgca agatagagtc tctgttttta aaaaatgttat
81721 gcagttttaa ggaagagaag gtgaggtgtt atgtgatcct ataggaaacc aaagtgcctt
81781 gacattcaca gaagacagaa aacttaacag aggggaccag ggaaggctac aatcagagag
81841 gataagggtt gaattcaaat accattgaag gggtaacctga acatttctgg gaagaagagg
81901 gcctgaacaa cagcagaagc taggaaatca ccgaaatcat tagaccagat tagctacaca
81961 ctgaaataaca ttttaggtgac tacttagaga ttgatttagga aaagaacttc aggtcagatc
82021 atggagacac tgaacaagtt aaggaattct gattttgatc aacaggcatt ggagagccat
82081 agaaggaaagt gtggatatac aagctgtgt ttaaggaaat tcgttttagt gttgtcaaca
82141 atggtaggaa gagaagagag acttgaggca gggaggtctg ggagaagggg tatggcattt
82201 gtccagtttga agtttagga agagaaaagga agggatgggc atgagagaca ccgcaggaaat
82261 agaacaaaca acacctgaac actggaaagt ggaagcaaga aagagaagta attcagtgtat
82321 gactcagatt ttgctcctgg gtgactaagg aaatggaaat caaaaccgaa atctgactca
82381 gttcagaggtaatggattt agatttataa aggaatagat taatagatag aatgtataata
82441 gccaatataat ttttaggtaa tctacaatag aggtaaaaat tgaatctttaaataatagatt
82501 caccattgt tacacagatt tctaacaatataa ataattgtat atttgggtt gtcggaaact
82561 agtttattgtt gtatcctgtt ccatgaccat tgcaagatga aacactagat cgtgacgaaa
82621 cacctgagaa cataggagtg gctcaggaga ggaggtttgc atacagaaac taatataacc
82681 acaatgaggtaatggatttta cattttaaat tcattcctttaaataat tcatcactaa
82741 agtttggaaa tactaaagtt tgaagttgaa atactaagca aatctattca aagtatttct
82801 ctccattcaa actaatttctt ttttctgtt gaaaccaaca ttatggcattt gatgacacaa
82861 ttaattacca tcaagaataa cgtatttcat agagttactaa cctcaactt gatttcataa
82921 gaggattggg aaatagggtt tatgtttgca tacttttatt gacgctaccc gtgacttaca
82981 aacataaccc ttttccggac tctaattttaa accataatac ctttatattt aggtgtttt
83041 aagaatttatt tacaaaaaca catgttgcgg aagcttcacc tgctattgtt ttctctggag
83101 aactgagttt cagatgttgg tcttctgtt aaggtctac actgatacca tacagtggat
83161 catctaagaa ggaggccctt ttcagtttttcaatgccaag agtcttcgac ataaaaatagt
83221 ttttctgttcaactaataata acgttgccttgg aaaattgttgc gcatatccata ttctctgtt
83281 cagtgacaag agcttctgac atgttattgtc cagtcaaggc tttagtggaa tagtagccct
83341 tagaaagcttca acatttttca ctctcaagca tatctgcattt ttctacctca gtttctgg
83401 cttttgttttca tatttttttcaacttcaatg ttttttttttgc gtttggaaagc tggggaaaca
83461 caggtgttac gtcctcaatg ttttttttttcaacttcaatg ttttttttttgc gtttggaaagc
83521 tttgttttaaag tatgttattca tccagaagac acttttaacttgc ttttttttttgc gtttggaaagc
83581 tggactctaa ctgttgcatttca aacccaaaatg atttacttgc ttttttttttgc gtttggaaagc
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83761 ttttttttttgc gtttggaaagc acttttaacttgc ttttttttttgc gtttggaaagc
83821 accaccatcc aatttttttgc gtttggaaagc acttttaacttgc ttttttttttgc gtttggaaagc
83881 ctggggatcc agcactccca ttttttttttgc gtttggaaagc acttttaacttgc ttttttttttgc gtttggaaagc
83941 agaaaaggaa ggggttgcatttca ttttttttttgc gtttggaaagc acttttaacttgc ttttttttttgc gtttggaaagc
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84061 gcataacttca ttttttttttgc gtttggaaagc acttttaacttgc ttttttttttgc gtttggaaagc
84121 atatttttttgc gtttggaaagc acttttaacttgc ttttttttttgc gtttggaaagc
84181 aaatggaaatg agagagccat gtttttttttgc gtttggaaagc acttttaacttgc ttttttttttgc gtttggaaagc

FIGURE 1 (continued)

84241 gcaacaatct caaaaaggaa tgagattaaa atatagtgaa acacactgaa aaaaaaaatgt
84301 ctacttcccc aaaaaatcg tgtcttccat ggtttacatg tggattatct aggaaaagac
84361 taatcctcct ttacaggggg atgaattatc tgagaacaag aagtccccat aagaaaactt
84421 aatcatgaat ttcaatgact ttaatttcta cttcagcaaa gtaaaataat gttattggcc
84481 tactctgaag gtacatagta aaaaataact aaatattctg catatgtaaa gtactgaaat
84541 aaaaagctat tactgatact agtagatgtt attctccact attaggtaaa gcttctaatt
84601 caactaataa atactaataat gtaaaacaat tttgtccat gttaaaaaaa tattgtttaa
84661 aattatgttt aacttaccta tattaaaact agttttaca gtggcaagtg tcactatgag
84721 tatgaggata ataagaaaatt gtctggaaat atattcttag taatttattt gaattcaaaa
84781 ttcaggtgac tgaccctaag gtaatatac atgtcaagaa ataggattt agattggaa
84841 ttcaaaattc aggtgactga ccctaagggt aatataatgt gcaagaaata ggattagaat
84901 tatgttattag caaattctac ttttagtcac taggcatttc aggaatccag atatagtatt
84961 ttatccatct gtatccagaa tcaggagcat tatctccacc ctactatgga aacctagtca
85021 agtagaaaaat gaaggaagtc cttctatgac attagatacc taaaacacac tttcaaactt
85081 tgcttatgtt aaattacata taatgtgttag acaattccct acgatttaga aagagccgc
85141 tgagtgtcat ctttacaaa catcctcattt aaagccttattatgatgaaa ttttagaca
85201 ctagaaaaaa aatcagtcca tattagagca ggaggaggtc tctaggaaa aaaggtagg
85261 agggaggatt ggttagattt ccaatatgtc tgaccatttc caaaagtaat attgatgatga
85321 tagatgttt gcagttctga ttagtattt ggctaaatac acagaaaatg aagcagaagg
85381 aaaatcaaag caattatgaa ctctggggaa aacaaaaatgt ttacaaaaaa aaaggaaaag
85441 cagtgacata tacacagaaa attaggcaaa agaaaactaag ataattatgt agtctaggac
85501 aaacaaaaaag ttacatgaga aaggatgcca taggctaata attgcttctg ctgtgaataa
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85741 agtattaaat aaataatata gaggtaaaat taggaaaaac aaaaaagatt taaaagcagt
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85861 aaaacatttt aacacaattt ttcttttattt actataacaa aagttaaaat taaatataaa
85921 aataaaaagta atttaatgtt attttttttt ttgtacatg gagtcttgc ctgtcgcc
85981 ggctggagtg cagttggcga atcggttctc actgcaacctt ctgcttctg ggtaagcg
86041 agtctcggtt ctcagctcc ccggtagctg gaattatagg caccaccac cacaccc
86101 taatataat atataatata ttatattttt agtggagaca gggttttacc atgttgtca
86161 ggctggtctt gaacttctga cctcaagtga tccaccacc tcggctccc aaattgttaa
86221 gattacaggc gtgagccacc atgcccagcc caaattttt aataaaaaatg cacttagaaa
86281 taaaatttaa aatatttaa tggaaattccc aggtgattgt atgtttggac atcagaagct
86341 gacccatgtt tcacagagcc agaaaatttat ataatcttga agcaagagaa gggcatttct
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86461 cttttatttt agaatgtgaa aaagatcaca acaaattact gggttcttgg ggagggttga
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86761 gaagcagctg gatagggaaag aaaacacaga agactagaac ctgggttctt atccaagctt
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87001 cctgggtttaga gttatgaaaa caaaataata gcaaaaaagag aacttttattt tatttagctc
87061 cttcacaata tcaatccccaa acttttataa aataactaaa aattctctgg cctcaaaaata
87121 taagtaagag caaatgaaaat acattaagcc ctcaaaattaa tttaatttgc ttctgggtgc
87181 aatacagattt gggaaacttca acacgaccctt cttttctcat ctttttttttccagcagat
87241 cttggccaca gtcggccatc agtcaatgac tatcatgaga attgaatgt taggtgtt
87301 aaaccatattt ttaaggcaactt atattgtat aattttatcaaaataactgaaactt
87361 actagggttcaactt catcacaac atcccttactt gccccttcaata gttttagggat catcttaccc
87421 acagcctttt tccagattgc tctcaaaaat tctgagctaa taagcaccat aactgaacca

FIGURE 1 (continued)

78481 ctcaactgtgc aggcaactgtc aagtaaccat ctgttcaagt attcacatca aagttttcat
87541 ctttcgtgcc agctctaatt tccccgtatt ccataaaacaa gttattattc atactattcc
87601 tattccttcat aaaactcaac atagtgcatt tcagtcctca tttttccagg ccagaaccca
87661 atctctttc actctgtata taaaagcccc tctttccca cttcatttt agtagctt
87721 ttatgaatct tctttctcg ttcagccat acacacacat ttcatagtaa aagagtaat
87781 ctattggatt tttcatcagg aaaagaatag aatacacatg cagttttagt tctgctgcat
87841 cttgcacatcg gttggcacac taggttatgt cttacagaat aataataat agtagcatt
87901 cactaaggcag actagactct gctctaggca taatacatgt attgatttct ttaattttgc
87961 aataaaaccta ttaggttagaa actattgtt tttccacttt gcagatgaag aaactgaagc
88021 actaagaaat gaagtaacct ctccaaaggc atatagctt taaaaccgtgg acttggaaatt
88081 tgaatccagg tagtctgggt ccagaaccta agtgcctagc cacatggct aactgcccact
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88561 ccagccataa aaatctccag ttaattggc aatggattt ttgacaaggc aatcaagatt
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88741 cccaccctat gaaaccaata ccattatcac aagtggaaaa aggggtggaaa gctagaatgt
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89161 ctttctgggt ccatgtcatc ttttactca ctgcctgcct gatgcatttctt ctctctgc
89221 aaccagctt ctctgtttat tgatggttc tgcttctca caacctcagc ttgcctatgt
89281 agcatgaact gactctgtaa gagtatcaca cccaccaaca actgactatg tccttttagt
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89761 tgcgtataga aaaataaaagg cactccagg tggctacaga acagcactat cgagtctgaa
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90121 atattttca ccagaatagt cagaggctgt ctggccagaa gagaatctga actctagtca
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90241 gaggcaaggc tgtaaacagg aaagtggatc agtcccagg tcagcagccca ggaggctcag
90301 tggacagaat aatactgagt gtgaagtagg tcacggcaaa cagctctgaa gcgagggtcat
90361 gaaacgttgc gtgggtggg aagccctttt tatgtggggc ctggcatggc aaagtcaccg
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90481 cagggttgc cttatgggtt tgccctggta gaggtgtctg tggccctggg cattctgtga
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90601 ttctgtttct atgttaccaga atgagagagg tgggtgcctt gcccggcccc agtgtgtaa
90661 ttagggatga gcatggatcg agggagctag aagcaggagg taggatttctc aagtcctact

FIGURE 1 (continued)

90721 atttgaaaaa gggctagaaa catggcttgc cggggacata agcagaaaaag tgtggaggtg
90781 ctcggcagga gagccagact gtgcttcta acagggtgac tttgcttct aacagggtga
90841 ctggtggaaa tggactctta tggtttcatt ttgtggaca attaccattt gaggatgcc
90901 aacagtagct gtttcttagc agtagagaca gcaagtccac ttggatcaga tgcccttgc
90961 tctgagcaag tgcggaaat ggcctgtta tcacatgtct atcacttctt ttcccggaaac
91021 aagtctgggg cccagctcta cagctggagg gggcctggca cctctgcccc aaactcccag
91081 ctaaaaaagc ctggccagga gatgaggtgc acagatgtc ataaagagcc taaaaagggg
91141 cccctgattt agtagttctc atgctccgag ggaactggaa cctactccac cccctactcc
91201 gggaaatgaga tccagttgt tacttttagag cagctagctc ccactgctt gcaagactgt
91261 ttattggcta ttatttagtt tgtagtatcat ttgcatgggt gaaggccttca tgtaacttca
91321 gtttgtatgat gcctattttt actgtgtaga gataagttgg gtcaaggaag gtttgtatgg
91381 ggtcagtagt caaggaggcc attagctatt taaataccctt aacctccaat ggatccagat
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91561 tgcttgatata catctaaact tcacaatttga agagaaggtt tcctcagaac tctgtctctg
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91741 ctccacccctt tactgggtct gaaagaaggtt ggagatgtgg catggcctgg aaggttagtac
91801 ctggccttgc acagtctgccc cgttagtgcag cgatatgggtt tggctctgtg tccccaccca
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92341 gagaacactc agctaggccc caccatata agagagaccc ctcaaaaaaga tgctcaaccc
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92461 tacacaagtc aaacggccag gctgcacttgc cattacactg ctcaacgtga ctggatttag
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93121 cttcaacttgc tttgtttttt acttctgtttt ctctgggtat gcttcacta atgaagcagc
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93301 cctgaaagca cagggttgc agtccaaacc agcctctgc gactgtcaac aaggctcaca
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93841 ggaatcaaaa tgaggtgcga ggtgagccat gcacatgtgt gacattcctt cacatcttag
93901 acgcacatctcc agcaccctt cttaagtttgc tttcctctgtt gcattttata ctccattttgg

FIGURE 1 (continued)

93961 gaaaggctct caagttaagt gttccttcag cttgcaaact ctctctctga aagcaataga
94021 aagccccaga gggagaggaa atacccttac caacagcaga agttagcagg gggaggctga
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94141 cttaaccttt caaagtctca gatttcttagt cagtagagta aaaatactaa caactagctg
94201 actccaaaca actagttggg aggaatacta acaagcaaca atttgcata gcatgaaata
94261 cctgcgtgaa gctgcgagga ccatgcctga tgcagacgag gcaggagctc aatcaatgct
94321 ggaacatcaa tagcaaatct cagttccgt ctggaagctg gcagcagcag cagcagccag
94381 atggcctctc ttggaagctg tacactgaag cctgtacttt ccaagttca ctggccctca
94441 ctttgaaga tctcttttgg ataccaggaa tggagctta tggacgatct cacaactagc
94501 aattcacaat gagtaagctg tcatgtgtac tttttagat tccctggcgct ggggaggggg
94561 tgcacagag gccatgagat gctgggagag ggcacccaag agttaaagat tggcatgtga
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95581 ctatattgtg aataagaagt tccaaagttgt gctatgatcc aaattatgaa agttaaatta
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95761 gcaagaaact ttaagaaaga gatgaatccg tccacccccc tccctgtcag cgggtccctt
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95881 gagggAACAG ggctgatagc cctggaccat ctactatgca ccacatacag tatttattcc
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96961 aaatgccccaa gcgtaataaa aacccatgc tctggccctt ctgctgtat attcactaca
97021 agtctgacat agaggtttaa ttgggtctgc tgcataataa gaaactgaata ataatcac
97081 tctttgattt tggtaggtt taattataga aacctattca agtacatata tattaataga
97141 aagcctcaca aacatggcag aaaaccattt ctgttataa gtatccatag ggaaagctct

FIGURE 1 (continued)

97201 ccttatttac tttatttaaa taaatatttc aaatcagcaa accaaaaaaag agccccatc
97261 tttcatgtga acatttctta atcatgtcat gttaatattt tctccttgc tttccatga
97321 gcttagcacaa gctctggcct ctgcaactaga tggtgggtct gagtcaactt tttagaatgg
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97501 attttatac cttctgattt tctttgtgt tggtgggtt gagacagggt cgcactctgt
97561 caccaggct ggagtgcagt ggctcaatct tggctacta caatctccac ctgctggct
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97681 ccggcttaattt ttttaatttt tttgttagaga tgaggtttt ccatgttgc caagctggc
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98821 gttaattaag ccaggtgact tcttcatgac tgaccgttta aatcaattt tgcatttata
98881 aattaccatg aacctattaa tgcacagttt aattactgtt ttataactaa cttctacact
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99001 gaataaaat ataaatttga agattcatta gggattttttaa cattccgttt caaaactgaa
99061 gccatcacat actattattt taatttattt caacctatag ttcatattta agtgcataat
99121 attaaaatgt tgtaatagac gctgattata tcatttcattt gtaaaatgaa acaccagact
99181 ttgtgtcat acacacttggc caataggta aaaaacttca acagcagagt aaaccaacaa
99241 cattccctaa cgtatctaaag attctcacag cttccaaattt tgcagatata gaaacttata
99301 tataggccct cagttcttcc acaagcttca ccacccatct accagcacct gtacccagtg
99361 cccaccatc cttcatgtca ctaaacggac tccctgtgt cctcttgatg gctgtcccc
99421 ctacctgcac acaagagacc accttgcattt gctactcaa ggtcatcgct ttggcaatct
99481 cccactctc ttttgcgtca ctgtttccct cctctctact ggatttttcc catgagtata
99541 caaaaagctg ctattcttca atattaagga aaagccctct tttgatcccc ttccctctcc
99601 tgcccaccac tgcatttctc ttactttttt tacaataaaa ttcttaaaa taattggtct
99661 tactatcacc aaatccctct cttcttattt tctcttaaac tcaacccaaa cagggttttag
99721 tccaccactc cgttaaaact gctttgtct atcacacca tggccctgcac atttctacag
99781 cagctgttca ttctcagttt ccattttact ggacctctca gcactgtata acacagctga
99841 acacttctca tctggcaaca cttggataga gcatattata catttcataa ctcagcccta
99901 tttgtcaatg taactttctt ctttgattt tccagcaatt tcatttttttgc gccaagaact
99961 gcaactttctt caaaccattt tccctttct tcattgtt caccacacta gcatgtggcc
100021 tggtagac tacttcttag aacaaaataa agtatactaaa acacagtgat cattactgtg
100081 aaaatggtga ggcatacgaga atgaagcttc actgtcatgc ggacgcccatttgc ttcctttcc
100141 actagtacat gtgcatttca caccatcgata tcagtggtac ctaatgttata ttactccct
100201 gatcctatgtca gcacaatgtc acaatataattt ggactaacat ggtgcctgt gtgaaaccc
100261 gcagacaaaaa tggtaacaca gagccaaaaaa gaagatagag gctaaaagc aaggcaatga
100321 agttattctg ctgcccattt gaggtaacaaag cttactgtttt attctctgt tatgtgcctt
100381 tagtaaaaaaa agcatttggg ctgggtgcgg tagctcacgc ctgtatccc agcactttgg

FIGURE 1 (continued)

FIGURE 1 (continued)

103681 agagccaaatg gagcaacact ggagaaccag aaattcaatt ctaggagaat gacaggagat
103741 atgtgagtgg tcagaggaat tagtgagtac tcagtgatt tagacgc tttt gccattgggt
103801 aggagcaggg aagttcttc tcctttaaa aaaagaggat ctggaaagcta tagaaacaca
103861 cggcgatttc tcatcttaag caggtatgtc gtcttctc ttgctacaat cttcagagta
103921 ttatataagt attttaattt atccatttgc taacatttg atatatgc ccat tcact
103981 gtgtgtgtt tgacaacatc tagaagacaa ataacttaac aaaatgtgc tagatggcc
104041 ataaggaaga gtgaaaaaaga agaaaggaa aagaaggta ataacaagga ggcaaaacagg
104101 gaaccaaaga gactatacta tttccattt tcatgcacat gttggcgt gttgggtgc
104161 atgtgtgtgt gcgcgtgtgt gtgtgcattgt gtgtgtgtgg tgggggggtgg tttgcctag
104221 caaatttgc ccattcaat agaaaactta aactcaaaa ttccctttt tcttatttgc
104281 aagtataaaa gctataactt atttaagacc cagtgc ttaa tattaagaaa aatataaagg
104341 tatacattt gatttgaat gtagtctatg atatcgaga tatatcatga aatcagaagg
104401 aatactaaaa gcaataaaaag aaaacaaaga gaaaaaagag caaatggct ttacatagaa
104461 gttaaaatt tactgaattt tcttggcc caactaacac caaagacca agttcaccat
104521 ttgc tttt tctgaggc tttt cagagatgt ggtcattgc aaagctagaa ggcctgtgg
104581 gagtcagag gaatttaga gaaatgactg agactggag gtgatgaagc agaagcagca
104641 ttccctgt tcctctgact acctttttt tcaagcgtt ttaacatggc tctttaggt
104701 cttcttgca agcccttgc agcaagtgaa aagcaatcta gaaaccaca agcttggct
104761 gtaattgaaa caaacaattt tagttcaagg cgataaaaagc agtaacaacg aaaaatggatt
104821 cgaagtggg atacaaaact ccacaattt gttctttaa aaggctacag ttaggaacta
104881 catacaatat atttgtata ggaactctgc aacacaagtg aatatgctag gtttctcat
104941 gagtcctgtg acttcagaa accttctgtc ttccaaagag ttcttggat tctaccataa
105001 agtatacagc agtataatgg gggcattttt actgtttaaa atcacaaatg caaataagaa
105061 catactgtaa agggttgagt atccagtagc acactctgg a taccaaaaaa tgcataacag
105121 ggaagaacgg ggactat tttt ttcatataaa ttcttaacaa tctgtaaaag gaaaaaaatg
105181 aaagccacca aataagcaga gtaacttagt tataaaagtt tagtcatttca aatttcattt
105241 caaaaacaaca aatatagtat ttatccc ctagactgta agtctcattt gtacaagac
105301 caagttgtc ttgtattat tgtaatccta gcacctaaca gggtacccag caaagagaag
105361 atgctcaga aatatttgc gataaaataa ataaataactt aacgtgtaaa acaataattt
105421 aatgaataact ttttttgc accttgc ttttccatgt acataacata cactaaaca cgtttaggac
105481 cccaaataat gtcaatttac agggagaggc tgaaagggtga gaaaagagga gagatgaaag
105541 cataaaatag acagagaatt gtcacttaat ctctggaaat tctgtaaagc agttatccat
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105661 gcccacggc cttccagaga catcatttc tctggcata attagtggc tctcccttgc
105721 tccattatcc tgataacattt caatgggtc tcatctggc tgcattatgtt tgggacctgt
105781 ggtatgtca cagaatcaga aaggcatttaca catgaaccat ctaatttcaac ctcccttaatt
105841 cactgtatgg taatttccca gagggttgc gtgccttgc ccgggtcga gcccggaaagaa
105901 aacttctttt gttccacaga gttctgggtt acgtgataaa agaagaactt cagctgaaatt
105961 aaattttaag gagtttgagc aatgaataat tgcgcatttgc ggcagccccca agaatacag
106021 cagattcaca aagactccag tgcaaccacg tggtagaaga agatttacag aaaaaaaaaaa
106081 aaaaaaaaaatg gaaatgacat acagaaattt gaaaggagat acagaactgc cgttggta
106141 caggtcgtg tataatgcctt atttgaacat cgttgcata ttgagcgtg tatgaaagg
106201 tgaaatctgg cctctggcc ctgggattgg ccaagacttgc gctatttgc caggtgcata
106261 ctactaaattt aggtttcaat tctcatctgc cttaagctt gttacagtt caccacaagg
106321 actcaaataat aaaagtacag agtccttgc agccatatt tagtttgc taaacatactg
106381 caaagaatac taacttatac atccccaaag gctcatggac agaaatgatt tggtagtgg
106441 tataaagatc tattagacac ctggaaatct ttggagacaa agatgcttca aatagccata
106501 gaaggaaatg cataaggaag ctaacacattt acaaatacaa aattttcttgc tcccttattt
106561 aaactgaaaa aaaaaaaaaatgtt tttaatttgc cttgtcatttgc ccagagagag gaaagcaaaa
106621 attgttctct acatctgagc tgggtgtca gcatattacc caccactaga gcacaaaagg
106681 aaagttcagg ccctcattttt agaatcaaca tgggtggctg gtgaccgtca atttcacca
106741 tggtaaaaaa cacacgactt ccctggatgc ctgtcatttgc cctctcatgc catagtaacc
106801 agctgtataa gtaagcaaaa aaatcctcga aactgtttat tgactataat taacagggtt
106861 tatgttattt gaaagcaaat aagcactatg acaaataaa taaaatatga tgcataaaaaa

FIGURE 1 (continued)

106921 tcatgtaaaaa ccgacttgat gttctgactt tccagtgaaa gtcgtttcc tggtttacct
106981 gatgaaatgt ttcagaggtt cattgcata actatgagtc atagcttcaa gtctctggtt
107041 gccactttac catttacatg atttaaggcc aaaatctgct ctccttccta tgtcataaca
107101 aaaccgcgc aagactataac gtaaggctca ctaccat cctagagct tgcaagcaacc
107161 agcaaacgt aaaaacggaaa acaccagagc tctaaacaga ttacccagct gctgtgtaaa
107221 ttacagcag tctataagcc ttcataatata tagtaatatt tataaaatata ttgagcagtc
107281 ctgttattata gaaatgcaaa ttgcagtcac aagaatagga tgggggttgg
107341 gactctgaa atcaacccttc atttttgac ctgcacattt atatttgct ataaagcctc
107401 cagtttgaac gttctacttg tcaagagtt atgaaactga aatgagtcac agataactatc
107461 tatgactcat attattataa tatcacaatt atataacta gcaagtattc atggtgcaaa
107521 aaagaatgcc ataggacaaa agacccccc ttagatcca gtcacatcaca tgaataaaagc
107581 cctaagcatg ctgtctaatt ttaatgggac cgaagagtc taacgcaagt ttccctctc
107641 ccacccctgt ttttattta attatttttta acctgctt ggtccaagaa accatttctt
107701 agcctggagt gctaggcatt tactaatggc cttccagca gggctgacat acatgagtgg
107761 ctgtctccag ctcactcaca gacttgggg cggctttag cagcctgtt ctacctgagg
107821 gtctttgtat ttaactgaat tcttttagtga caggatctg cagaataaaag aatgctgcat
107881 gggtaggaa tgcacacacg tttttcagc tgcttcataat tcaggcctgc tggactcag
107941 cttacaagat caaagtata aactcatttt tcatttctt gggaaaatg tctcagtaaa
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108061 tgggtttttt gtttttttgc tctgttttgc taagttagtgg tcagttatcac aagatgacat
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108301 agacagtttcc ttgacacaat tggcacttc tcgaagcact tcattattag gtggtagcca
108361 tacatttgaa tcaataaaatt cctattcaga ctctgccttc agagaaaatc ctgttagcagt
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108481 cactggcaga gcagaattaa gttcaataaaa aagtggggaa gataaaaagga aaaaaaggaa
108541 gatccaacat atgaagtggc tgcttattta tttcaacatt gcttatatgt ttagggaaac
108601 attaaaaaga tgtagtagaca agaatgaaat gatgtatcac aagaagttt tttccttctt
108661 acggttcaa aactgaaatt gtttagagaaa atggaaaatg agtttttaag tggtagaggt
108721 aattctagaa aatattttgt cacacaaagc ctgacttagac ctattccaa tgatgttctt
108781 atctggagtt tcccagctg gttaatgcgg gcattaccaa atcctgaggt acctaaaagg
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108901 tttctgatca gaaataagcc tgccaaactac ccattagaga ctggtaata cttgtgagtc
108961 tcaaattgcc tgaattttt ctggagcttc tagatataatc tggggaaatt gagacaatgt
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109261 tctgcaatgc taaggaagtg tgccaaaccat aaattaaaat aacatctgaa tgtacccctac
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110041 tatgatttac aggcaagtac tgaaaaaaa aaacttagcc aagaggattt ttgaatttgc
110101 taactaaagg taaacctgtt ttatagctgg catctcatttgc ttcaggaaat tccaaggccg

FIGURE 1 (continued)

110161 gctgccatca aagggtgaga aaataaaaatg atttaattca agttttcaaa ttgctgatgt
110221 aaaatggtat cattccattt ctcatccaca tataagttag ctgaacaatc atcaggcagt
110281 tatagtcaaa agaaactttt cagaacaaag ctgtcattaa gagatataaa aacatttac
110341 caaagaagac ataacaatgg ccaacagct a tgtaaaaag tgctcaaaat cactaattat
110401 tagagaaatg caaatcaaaa ccacaatgg atatcacctc atgcctgtt gtataactgt
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110581 aggaattaaa aatagaacta ctgatacagt ggctgctgcc atcatgtcag ctgcagcagg
110641 gaggcgtggc tggggctgca cactccatgg agccagtggg agccctgcct ttctgagtt
110701 ggaaagagag ctacgtgcct ctgcagccac ccaaactgca gctacagacc caggcctcct
110761 gctctagtga gcaaggcagga gcctcgccct cctgggtgag gctacaggcc acctaaacta
110821 cagctgtgaa tccaaagcctc cttgtgctc ttgggggagc caggaacagt caggatctgc
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111301 gccagtcctg tggacgggg aggagactca tggctgcctt tggcttgcctt catggacc
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111421 cagaggatgg ctaaggacga agagggcaga gagaatgggaa gcaacccaca aggtgcag
111481 aagactaccc tgcgtgttca tagctggaga cgttggaaag accagctgca gagaggag
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111661 atttttcctg gatgcaggac aagaactcgg gcaagggtgc tggggccaca gaggtttccc
111721 accagaaaaaa tgcacacccaa agagatctcc taacactact gttttggcc gtaatcc
111781 cactctgaga agctgaggca ggaggattgc tggaggccag gatggcgaga caggcctcg
111841 taacatagcg agacccatc tctacaaaaaa aaaaaaaaaa aaaaaaaaaa aaggctgcgt
111901 ttgggtatgt gtgcctgttag tcccaacttcc cctggagact gagatggggag gatgttgc
111961 gcccaggagt ttgagcttta cagtttttttca tggatgttcc actgcattcc agcatggat
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112081 aatcaccact taaacttcata aaggtaatcca cattttcttgc ttcatttgc tttttttt
112141 aatagtcaag atactggaaatc aactgaaatg tctgtgtat gatgttgc tacagaaact
112201 gtgatataca cacatcaga gaaatattat ttagcctttaaaaaggat cctgcattt
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112921 attttttttgc ttttttttgc aaaaaggatggatggatggatggatggatggatggat
112981 ttttttttgc aaaaaggatggatggatggatggatggatggatggatggatggatggat
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113281 ttttttttgc aaaaaggatggatggatggatggatggatggatggatggatggat
113341 ttttttttgc aaaaaggatggatggatggatggatggatggatggatggatggat

FIGURE 1 (continued)

113401 atacctaagg ctagatgacg agtttagtggg tgcagcgcac aagcatggca catgtataca
113461 tatgttaacta acctgcacaa tgtgcacatg taccctaaaa cttaaagtat aataaaaaaa
113521 aaaagaaaaaa aaaagaatct agtataaaaat tgctaccaaa aaaaaaaaaa agaaaaatta
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113941 aagtaagtta aacagattt taaaattata gtgatgtaaa taagatacta acattggtgc
114001 cccaaaagtaa aggttaggtt gaaatggta aatgtgtat gtaattggta gttttggcc
114061 tatcagggag acttcttggg aaagtcttaa ttataaaactg aattataaag gtcaagagtc
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114361 ccagcctaag agtgagtgga agagaactaa gcaaacggaa acaaccaata gctcaaaagc
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114661 acatctgca agcataagg tcaaataat ttttagtcata aagacactat aagttccga
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115801 cccttatgac taaaagtaaa gagtaaacc aaaaatactg tctcaaccct tggggaaaagt
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116041 ctgacggct atcgtacagc atctcagctg tttgtattttt aaataagtat tcactgtaca
116101 atcctataaa ggtaagagct aaacaatcg atatcaccac cagaacatcc ttggaaagtc
116161 tctgtgtctc gctttcttac taatataata atagcttgc ttctttagat ttctccctt
116221 cgaataaaaaa caattcttat taatttaggt ttctgtcat ttggctttga gttaacacag
116281 gctttacttg acagggaaagg gaatgactcg gcaatcacag caacagccac acctgcagtg
116341 ctcccttcgtt tcccaagtgc agccagtaac tggtcagatg gtagtcccaga gggcatgggc
116401 cacagagaga ggaagtcatc tgatggagg gtgggcatga acccatggac atgaacccat
116461 gaaaaacacgc tgcgtatgtt ctccatatact agttataactt caggttctag tggatgaaca
116521 accaaccaac caatttgtag tataatgttag gttttctaa gttacaataat cttaaatttc
116581 ttaagcttcc agagcccact ggaaaaagat catcacaattt ctaagactct ggaaatgatg

FIGURE 1 (continued)

FIGURE 1 (continued)

119881 tatagaaaaa ctgctagagc tcttgagag acaataaatac caattcagtc tgcccagtca
119941 gagcaaagac aacccttca gaagtttaa gaggaagcaa gagcatatat tctctcagat
120001 ataacacgta tattcgaaaa tcagcagttt caggactact ggctggctgg agctagttca
120061 caaggacaac cacatcagtc aggaagacct gtgacccaat ggctctcatg tgctcatgga
120121 ctaaacagga aacaaaattc tgcgacccca agtatggtaa atgatgaatg gcaagaaagc
120181 aactggtcta tcttctgatc atgtaaaattc ctttcttta aaggagggtt tgctgccc
120241 gaggcttaaa ggcaaatcat gaaatcagtg gtctctgga aaaagacaca ccagctgata
120301 aaaacatggt ttctccaata atcagttaaa aacatcaaaa tatttataat tatgtgctat
120361 tgcttgagct ggcattctt atttctcatc actttcatca accaaagttt attagggtat
120421 ggaagttgat aaaacttaga gaaaaatccc aagggaaattc catgtcttt gtgtccctc
120481 aaactgaagt ttcccagta tctgtttctt ccttattggc aatggtgaga aggaatacta
120541 tatgaaaaga gataaaaat ctatcataga ctgttcata tgagaacaat ccttctgga
120601 aaagaaatgt aaacttacag ggatttctta agggctcca tggatataca ccatcccc
120661 cctccagtag ctgttagctt ttatgtgcaa atgtactgaa cttagagacct attatatcaa
120721 aaggacattt tcattctaga atattttca gaaaaacaag cctcaaaaatg taactcttct
120781 gtgcagatgc aatcacccaa tcaattcttc tgctgattca acattctaata aagactaaca
120841 atccattcat tcattcattt attcatccag caaacattta ttgaatgccc actacaaatg
120901 tcagtgtgt aacgactgag gctctgaaa tcattggctcc aaaactcaaa acctatgaaa
120961 ctttgataa gtttottaaa ctctcaagtt tcggatctt tattttaaaat actatgtgct
121021 ggtatgcagc tactttttat gaaccaaccc agagaaaccc catcctccattt attcagatgc
121081 cctactggga ggaaggtgcg tgggtcaacc tagaggaaga ctatgatata ttttggaaatg
121141 atcttaggat aggacacaga atctcaagca gtttgcctg gatcttcca ctgttccaag
121201 aacaaggatc actcaccaag gcactaaatg caaccatttc tggtgcatac agacagagaa
121261 aattaataca tttaacaaat gataaaaaga agtggtcagg aagaattcaata tataaatca
121321 cataactaga atggcaacta ttgatttagat gaggctgaaa gggcagctgt gtgtatttca
121381 aagggtctg aatgccagat gaaaacatct gtacacagag agggaaagac atgaataggt
121441 ttgaaccctta aaaagatgtt tgctgacacc aagcagactg gactggggta gggagtgagt
121501 ggaggctgtg aagccattt aagttgtgtt cacagttgac ataagaatgt aaggaagaaa
121561 aaaggcttca atagcataat gctttaatac catgtttctc agccttgaatg attgcattgg
121621 ccattttgtaa acaatttaca aagtttaagg tttattatca tagtggattt taaagggtgta
121681 caatattcc tataccata ggcctaata gaaataaaaacc aaaacgaatg tacaaacccca
121741 gtaatattt ttcttaatct tgccttctt ctggctttc gacacctcta ggtcttccaa
121801 ctccttcctt cttaaaactaa cgattgtctg agagtgtggc acttcaagca aaagacctgg
121861 gttcacactc tgactctgcc acttactagc tggagactta gggaaattgc ttgatcaata
121921 tgacccctaa tttcttcatc tataaagtca gcaataac ctacccata cagttttgt
121981 aagaatcaaa acaattatgt ggaaagcact ctgttacccca ttagttctca ctaacacaaat
122041 ctgtggact tgcatataa tgcaaaagac aacagaagtt tactaaagta agtgcattt
122101 ttggaaagggtt ctgtgacta ttaatattttt aaaaagagaaa aaaaatcaaaa aatgtttata
122161 agaacaagac aatcattttat tcttaactac tcaaactcag aggtcatgt gtgcctccat
122221 ttcatgccat cattgcaga ggaggaaaag tagacagggtt gagggccctgt gtgtgttgct
122281 gacaaaggca aactgagccc aggccctgtg gctccagat ctgttccacca attaaaagct
122341 acaaaacttca ttgataatgc ttatagccag cttaaaacagc accttcttgc gaaagcagca
122401 cctgggaccc ttccacaaac tctctgcaat gtgctaacac aagtctcaaa gaccgggcat
122461 ttcccaggaa agatggagga caccacaccc cagaacctt gctacccttct gagacaaggc
122521 tcactctcca tggagagac ctcacttaag tggaaaagagg gaagcgttca tccagctcag
122581 gatcaataga aagaatcaac taagtcttcc tggtagatc tatttcatc caaggacttc
122641 atgtcttca tttggaaaga agttcaaaa aaaaatcagg gacaagatata cacaatttac
122701 aaactgactt cacacacatc atatttgcacatggtaa ccatgttca ttgatattat
122761 gacccaaaaaa cacttccaa caaaaacaaat atgtttattt ctattgtctt aatcttac
122821 aaaaaatttt acttgatttt tccgtttctt ctgttcttgg agaaaaactt ggcacaccc
122881 taaagcgtt gtaacttcc catttttggag gaggcttaaa tattttttat aaaaatagca
122941 aaaaaatgt taccacca ttcttccttc ttgaaattaa tatggtacag tgccaaattc
123001 cattcatctt ttcaatttata ctttttttttata acacattggt agcaccagg atatgccacc
123061 attgtttat cctggaggac ataaaaatga aaacaaccaa agtcttacat ctctgtatcat

FIGURE 1 (continued)

123121 aaaatcaata ttaataaaaaa attataggcc gcaatgtgga ctgatgtcaa aaatcatgaa
123181 ttcagggtaa aaagaaaagtt actaaagact gggatgactg tacaataca caggaaagaa
123241 gtcataaca aaaaattcta aaaatgcctc aaggtttggg ccattccttc gagaacagca
123301 tatatagtag ggctgtgat ggatggccaa tacaaaaacg ctctgacact aacttaattt
123361 gcaacttaac aagagtatta actgtgtact ttaacataa aataaaatgg gtgactatct
123421 ttccacaact ttaatattt attctgtgtt ttttagctt tcctttaaaa aatgaagaat
123481 ccattaacat tagtttcag gttaccatct taggcaacta aatatgaata atcaatgaa
123541 attaaccat attatataag gaaatttgac ttatcttca acctaagcag acatgatttt
123601 ttttttttt ttttttgag atggagtc cgtgtcaccc aggctggagt atagtggcgc
123661 gatctcagct cactgcaacc gttcctggg ttcagtaat tcttctgcct cagcctcctg
123721 agtagctggg attacaggtg cctgccccca tgccaaagcta atttttgtat ttttagcaga
123781 gacgggtttt caccacgttg gccaggctgg tctcaaactc ctgatctccg gtgatccgc
123841 caacctcagcc tcccaaagtg ctgggattac aggcgtgagc caccgcaact ggcctaaaca
123901 gacatgataa tctatttctt taataaagat aacttaagtt tgccctaaatt ctctataatt
123961 aaaaaataaag aatgttgc aagataaaga ttttaagat agacatagca atacgtagct
124021 catcctgaat gatctaattc caaaatctt catatatttgc actgcttcctt atttagaagt
124081 tgtattaaaaa gtcaatggat tcttcaaaaaa gcaaaacatt gagctgccgt atgaccaggaa
124141 aactccaccc ctaggtatac acccaagata actaaaaaca tgtccacatg aaaatttagt
124201 taccatgtt catagcagca ttattcataa tcgccaaaaa gtggaaagaa tocaaacgtc
124261 caagtgacta atgagtaaac aaaatgtggt atatccatac aatgaaatat tattttggca
124321 taaaaagaa tgaagtacta atacatgcta cagaactgat gaactttgaa aatattatgt
124381 ttagtgaag aaactaaaca ccaaagacca catattgtat aattccatgt atatgaaatg
124441 tccaggctat gaaaatccat agaggcagaa aaaaatcagt gttatgcca tggaaatgggg
124501 agtgactgct aatggatata aggttcttt tgagggtaaa aaaagtattc cagtatttga
124561 tagtgggtgaa ggatgtaccc tctgtgagta cgtaaaaaaaaa cactggctg gacgcccgtg
124621 ctcacacctg taatcccagc actttgggag gctgaggctg gcgatcaag agtcaggag
124681 atcgagacca tcctggctaa catgggaaaaa ccccgctct actaaaaata cggaaaaattt
124741 gccaggcgtg gtggcggcg cctgtagtc cagctactca ggaggctgag gcaggagaat
124801 ggcgtgaacc caggaggcg agcttgcagt gagccgagat cgtccactg cactccagcc
124861 tgagtgcac agcaagactc ctcctcaaaaa aaaaaaaaaa cactgaattt cacactttt
124921 aaaaagtgaa cttcactgtt tttgaattt atctcaataa agctgttatt taaaaaaa
124981 aaaaaaaaaaag caatggcttt tcaaattcctt cctgaacttcc ttggccctt tttgcctgt
125041 ttttatttgt gtctggttaa ttccctcata tataataat aaaaataatt acaggaataa
125101 atatgagaga tttgtcagtg tttatcac tataacatgt tcattcttga atttttattt
125161 caattttgtc tctaaaatttgc gaacgtaata atgtagaaaa ttcaatgttca ttgggtactg
125221 ttatgacagc aagaacttctt gaaatgtttt ctaaatatgc agtatcttca agtccaagga
125281 tcatttcaaa atatgaaata aacacaagac tttagtgcac ttcttttta ctctatccc
125341 ttctcccatc ctcacaaaac cagtacccat ccatggggaa acagaaaaat ggcacaccc
125401 caactaactc caggggcaag aatgaccagc atgccttgc attgagagag gaaagagagaa
125461 aggaggggcc ttttgcattt cttgacaac gtagtaagta aaacgttagca cactgttgc
125521 cgtagttca accagtggat tagcagcccc accttcttgc tgaggctaga gagggtgaag
125581 aaaggggcaaa catgtccttgc agttctgtcc ccatgcctag agagaggaag aacaatctcc
125641 tcccagacac aagcacttcag taaatgcagg cagttttat atattcttca gcccacacga
125701 cattcaataa aggtcaaga aaggttagct gaattgaatt atcagaaaaag gtagggggaa
125761 ggagagatca ctgagtattt atgatgttgc aacagttta attgaatata agtcaatgg
125821 tcaatttctt gattataat ttttgcatttca atcagcaagt aacttttggc
125881 agatttcagt aacattaatgc cactttcttgc cttaaatgaa aatggctga taaaagtccaa
125941 aaagataaaag tacataagta agaacttact tggtttaaaac aaaagattt ttagagtaac
126001 attttatttta tttagaaaaa gaaaacttgcg aatttagtattt atctaaattt ttaatatctt
126061 catgtcaaaatg tttagtgcattt tttttatgtt gaaatgcggc cttaaatctt aaagcaataa
126121 ttggctgggc atggctggc acacctgtga ttttcccgac actttgggag gttgaggcag
126181 gtggattacc tgaggtcagg agttcgagat cagcctggc aaaatggtga aaccccatct
126241 ctactaaaac tataaaaattt agttggaaat ggtggcgcac gcctgtatc caagctact
126301 aggaggccga ggcagaagaa tcacttgcac ccaggatgg aggtttcagt gagccaagat

FIGURE 1 (continued)

126361 cacaccactg cactccagcc tgagcaacag agagagactg cgtctccaat aaaataaata
126421 aataaaatcaa taaataaaatg caataaattag aaaattaacc atttgaacag cttttgacgt
126481 ctctagtgga aaaacacact agattgttgg tatgcaaact agggacttca aaatattaag
126541 gagctacata ttcccctggc aatttttct cccattttt ttcttaacaa actctatttc
126601 aatatataga acagggttaa cttctactta cgtcacatcc aaatgatgag atggctttct
126661 gtataacaata gatctggaca gataattggg aagcagagca tctgctacaa attttgcact
126721 atctgagcct agcttagcta atgtaaaagt ttaccactta aattaatccc agattatttt
126781 gtacaatctt attacttgga tcattttta tactaggacc taataacatg attacattaa
126841 gaaaaaatat gaatttatatg aaaattagaa aataattcca aatggattt gttcattcac
126901 cttgaattca aagatgacca ggtattttc tggacagttc gagtggaaat tcattttgcc
126961 caaaatgctg aaaatatgac aatctagtcc caaagcacta tgggttggg tatagattgc
127021 agaactaatt aactttatta ctttattctt tcctcaagt catacaccag agtaaaactg
127081 cctctataag agatacagct tcctaaccac acatattaat tttgggtca tatcaagtag
127141 agttctgccc agctggagt cactctttt ttccactaag actgcattgtt ttaacattta
127201 cttgaggata taaaaatatt agtaatcag ccattcagga gcctgcctc ctgcattcca
127261 ttaacacctt ctaatacagc ataaacattt gtaagggtt attcttggac aggccagaat
127321 gtcttgaaa aattatttaga tcaccccccag aagagaacta taacacaaat gaatgagtca
127381 caggactaac tagaaggcagg gcaatctta gtttcagaa atacagttaa ctaccacatt
127441 aaaagacttc tttcttaatg ttcaactgct ttccacctctc tttctggct tagttggagt
127501 gggggaaagg gctgtgagga gggggaggaaatcatttccaaaggcc aagcaaaaa
127561 ctaggcaagt tgtattttt taaaatatta attaataaag ttatactgg tagcaggag
127621 ctagatgtgc catacctaaa ataaatgtaa tcaagcccc caaaattata aagttttaaa
127681 gtttagctac aagataaaag ttttagagaag ttgaaaaccc agcaccaga agagttctt
127741 agaagagttc tttttagttt ccattatcta cccaaaaaaag gaggcgaaa gatttagcag
127801 gtaagatgtt ttgaagtaac agatgttctg gaaattaagg atatgttagtc acaggccctg
127861 caactctcaa ttaatttgca caatgttctt caatgaaaaa taatgaggtg gatacattaa
127921 tcagcagtga ggtcttctt agcctccac actcaacagt actgaaaaat caaatcgact
127981 tccttctgccc tcagctggat agggatgatt atcttactat ccaacactag actgtaaagg
128041 taagaaaaac ccactaaatc actgaaaaaa aaaaaaaagac tataattaat gctttgtatt
128101 aactttaaaa gaaagtccat taatttgta acagaatgca agtgtaaatc ctattaaata
128161 gcactcagga aaggcaaaca attcacttct aattgcataat attaacaatc ataatgtcat
128221 aaaataaagag accataaaatc aaaatacagc taaagcatta ctgtccctgta tattctatgc
128281 attttctcac tggaaaaaaa actagaaaaa accaaaaatg acatattcaa agcataatct
128341 tagacagcaa ccttgctaa ctcaaacaag ctcccttggtaaaaatttcttcttggaaaa
128401 attaattctg cccaaaataa caagattcat aatgtgcataa ataaaaaaatc ctttactgg
128461 ctattgtgt ttattttgt tatctattat tgggttttcaaatcctcta aataccatata
128521 aatagtgaca aaatttaatt cgacttttccatcttgcataa acgagtagcg cacattatta
128581 aacccactga cacttgttca tatgtttca aaaaaatcta cagattcgcc aacggttgaat
128641 ttcttaagtag accacaaaata attgatatac caagggaaag aatgtactcc ccagagaaca
128701 taagatataa atataaaatg tatataaattc ttaattgtat ctaaacagat acaaataacc
128761 tctatatactg tctatgttca ttcttaatcta cggtaaatat atccaaactca ataccctatgc
128821 cgatttaatt ccaacatggta gtaaaggaa ggtatgaaa attcccttag acctctatgg
128881 tagctgcagt tatattcaaa tcaaaaacaat aggaactgta ctggcacaa tcataataca
128941 gccttataat ataaggtagt gaaatggaaat ggactaaacc attttcatgg aaggttaactt
129001 gggcagaagt aacaatgtgc aacgtattga gaaaaataag gtgtgaaaca aaagggttgg
129061 cagaattaag ttccaggata aataactgtc caaggggaga taaaaaaagga aatagacaaa
129121 agtctcaaaag ggacaacttag gtttttaaaa tggttcttac aggcatattt cagtgtatcc
129181 atgctctatt taaactctac ttcatggca agaaaagaat ttcatgcaga tagatatttg
129241 gcaatggaaat gtaacaaagc attgctccaa ggtattgtt attaatttcttgcactgatt
129301 ttggatccat tcctaatggta aactaaaagc ttttgaatt gaaaacattaa aagggtcttgg
129361 aaaagaaaaca aatgcagaga gcaatcttca cccggcggc accagccagg gtgggtgggg
129421 gaagggttccat caccatggta cggactggc aagaaagcag gtttttttaa tactactaaa
129481 attatgttag tttcaacaa cttaaaatata tctgcaatag ctgtttcacc taaggttaatt
129541 tattctactt agaaaagcaa ctaatgaatt gataagtca ttgaaaagtg agtgagtcatt

FIGURE 1 (continued)

129601 atttttaatg tcaaattgca aaattcttta tgcttgaaaa gaatttagaat taagaaatc
129661 gctaaaattt tggctaaatg agcacatTTT aaggggTTT taaaagaaaa atttaagttc
129721 cctcagacct atataaaattt ggtctagaat ccatccattc atcatatTTT ttacagcc
129781 agccaaagct catTCCTTA ggactacAGC aaaatCCAGC aatcaacCTG tagccaaggaa
129841 gctgaatatt catagagaaa aatcacataa gcaagcgaat gtatTTTTT ttagattcat
129901 tatcgccacc ccaatacCTG ctcttCTCTC ctTcaaccac cccaacacac acacCTGacc
129961 ccaatCTCAG atgatgacCT tacatttac tacggaaaaca aaaccTTTA ggtaaagagCT
130021 ccccaatCC ccaccatcaa gttacaaacc ttggagcatc catttccagt gtcTTTTC
130081 cccCTCTT tacCaggggag agatgtccCT ctTCCaaac aatactaAGC tcccCTTACAT
130141 gtgtgtcga cCTTCTCAA agcacaaaAG acccatCCTA gggagaaaAG tgCAGGGATG
130201 CCTGGAAGTG atTCCTCC tctctaactg taaaataact acctaattt ttaatgtAGC
130261 tatttCTCC cactagaata taagCTCCat gagagcacAG acattatCTT gtcacCTGG
130321 CTGTCTaaca catgcaaggg tgcattttt tgagCTGTg aaataaaaat tCTTAAATA
130381 tttgtgcaa gtcctatCTT ctattaAGCC ttcccTTCT cccaccACTC coatcgaaAG
130441 CTTCTTCCat tagcatgacc ccagCTGcat ccaggggaaaa ttaattacta catCTTTG
130501 gctcccataa catttgaatC cCTCTTACAA cacagaAGAG acatTTTAT atacattCTT
130561 CCTAACTCCG attCTCATTc cacactataa aacaaggtaC ttaagaggaa cgactgcCTT
130621 atttatcggt tattagatCC taaatcaatG cCTGAATGAG ctcaagagAG ttCTTTAAC
130681 tgcTACTGAGG agaaagtCCA aactacttA tgaattGATT tctaactcat cccCTACTTT
130741 ttcaaaagaa atatgtAAGA taaaataacCT atttaataaa taacaaaata ttactTTTCT
130801 ttacttgcag aagtattttA gtcatgaAGT agacaAGCAG ggtaccACTT aacactaaT
130861 taatggaaag atagtCTAAG tttgtaatGA gaaaacggaa aatggTTTTT ccccaaggTC
130921 acagactaAG gcagtggCAA agtcaatttA ctactCTTA tCTTACCAAC accaaaaAGA
130981 gctttcattt cccaccaACC cacatCCATA gatttcaAGA tttttattt tATGGAAGTA
131041 gttgataatt ttgtctatta gtAAAAGAAG agtAAAGTTT taattaattt tactgaataAA
131101 aagtgcaggG gtgggtggAG ctattaaaAG aacAAACAGG ttttCTCTG ggtataACCA
131161 cagagagCTG aacaaaAGCC acttgaAGAA aactCCCTCA gagtacaAGA gtcgtTTTC
131221 tctgttagatt ctTACAAGAT aatgatcaAG caagaaaaAC acctaatttC cTTTTTTCT
131281 tggattCTTA tatttCCAG agagattata ttcaCAtGT gggaaagtGAA actgtttagAA
131341 gaatCTCACT tacttattAA cccCAGTAA cttaaaaaATT aaataaaaATA cggcatcAGC
131401 aatttggAGC ctctggTTA taataaAGGG tataaACAGT gaagcaAGAA actctgcgtT
131461 aatcaactat gtcgatCTGT cattCTGTGT ttccTTAAAG tggaaatGGT gaactatGCT
131521 gaaaaacaaa ataagataAA cctttgtGTg tgactaaaaA tctagccAGC cgagtTTCTG
131581 gctagcAGAT atggcAGAAT ggcataTTCA agacttggAA agactaACAT tatCTATAAG
131641 tccgcaattt acaagaAGTA gttttaACAG tgacatgAAA aagataAGAA aaggTTCCAA
131701 ataaaAGTTAT tccttattATG atttcaatAT tggatTTGC atgaatGATT atgaactATT
131761 ttttcatcca ttGTTcAGG cacttatttA taggaAGTAC tagaAtGTCA cagaggtAA
131821 aactaaACTC ccaattGTTT aaatttttC atagtGAAA taaatattCA tatggAAAGC
131881 ttcataaaAGT aaatAGTTTc aaaataAAAC agaatGACAA aataaccAGT taaatCACAC
131941 tatcaaAGTG aatgaACCCa aatttttAA ttttcaAAAC tatacAGAGT ccctcatTTT
132001 cagctgtCC acatCTAAGT gttctGTGT ttctttagCG gcagcactGA acttcAGAGT
132061 caatcaAGTC caatttttAG gatgcTTG gaattGAAGT cttaaGACCA caactAACAA
132121 aaagcaAGTA ctTGCTCCT tcacAGCAGG atgcAGATTC cttttCTAA gcagaATTCC
132181 agacattCCA tggatTTCTCt ataaaaATAG atgtCCATTt taaagttagGC cagcCTGAAC
132241 tcataccAGC ataaaATAGC caagaAGCAC acttATGACT gtgaggTTA catCTGTCT
132301 tgtaagcaAA ctcttagAGAT taccattttCAGCTCCACC ctaaatCTGC ttctcAGCTC
132361 ttccTTACTA tcacaAGACA gtggggCGCTG tggaaAGATG gcctAGTGGT tcaaggAAA
132421 accattGATC aggAGAGCTC tgaggACAAA catggACGAG tgcttGACTT tcCCTTCCCC
132481 ctccaaATAA actGCTGcat tagaaaACTG atattacATT taaaggttAT caCTTCTCAT
132541 aactcaatGA ctTGATTAA gaaaATAATT ttTTAATAA atcaaaaAGTA coatgAGTT
132601 ttttaACAT gacacaACAG catacactAT aatATCATGA agagtACAAA gcttaaaaaAA
132661 agaatttaAG tggatGACATC agagtaAAAG cctggTTCTT agtCTGTGT agcACATGTA
132721 gagcttgact taagtgggat ttacaccGGT ctctGTCTAT ccttagatGC ccccaggAGT
132781 gagatggAAA gcataggCtt atcagaAGAG gattgtGTGA ccTTTTAAG ccTTTTATTC

FIGURE 1 (continued)

132841 aaaaagactt atcagatccc tactctgtgt caggaccgtg cttggcaact gtaagccgaa
132901 acagaccccg tcactgcctc tctggagctg aagcttgcgt agggaaacag acaatcacac
132961 aaaggaacac attattacct cccatgagca gttctaggag gcagtcttag cgggagagtg
133021 agagagagag acccaatcta ttccaggat cagggaaagc tttcccaaag ggagaaatgt
133081 ttacaccaag tggaaatcaa ccaggcataa aaggaaaggg aaaggacatt ccaaaattag
133141 aaatcaattt aggcaaaaggc ctgaagcaag aggggcaaaag cctgtcagag gaattagtga
133201 gttgaaaag gcagggttg agggttgggt tctagtaatg taactagtga aagtgtaggc
133261 tgggggggtgc taggcacag ttcatgtcta gtcttcagg ctttattaaa gtcctgagaa
133321 gcagagaata acatgaccag aatgtctgt aagtgaagaa cgggggtgaa aataaaccta
133381 cagcagacag gaggaaaaca gtggctggcc tattgcagta aacttaggat aataatggta
133441 gcctaaacca agagggtggc aatggaaaag agagaagtgg gccgtttta atgatctcag
133501 atacagtact tttgatgatc ttctaatgaa ctatatcatt aaatttccaa aaaaaaaaaa
133561 aaaacctggc cctgtaataag cattccatga atatttggt attcagttaa tcttcttcat
133621 tccatgttcc ttcttcttc ctgcctttt ttgtgaagtc ccctccccag gtctgtctgg
133681 agtggaccca cttgcagaa gcaatttctc cagaacaaaa atctgtcaac tcatatctta
133741 atatgtcgac actaaaggaa taagaggata caaaggaaaa atactaggaa gaaaaattct
133801 ctctgttcc aagttgaaat tttcatgtct ctaaccagca ttttgcagtt tgacttctt
133861 tgggtattta agaaaattag cctatattgt gtttctgtt atgaacacca ggtgcacatac
133921 tatgtttcat ctacactatt taaatgacat gccaacttca ttccctttat tgccagatca
133981 gctccctaga ggtcagatg accgtgtcac ttgtctggc acagagccag agagaacatg
134041 aactggggaga tcaggtcagt tggaaatctaa acccagcctt tccttgctt cttaccacac
134101 tagttctcaa gtatcataa ttcttcgccc tcgcctttt ttcacatata ttgactggcc
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134221 gaataagaca caggttattt tttctagtgt ggcccaaaat taaccataag atcttaagca
134281 aagtattctg cttctatattt ttctgtggc agatgaagat aatgatataa gtatatgaat
134341 tatgagtattt attgttagta atgagatgtc taagcagtag acacagagag gtgcactcc
134401 atgccttca agaaaggcct ttgtgcccag ctgtggatg ggtggtcagc agacagcctt
134461 caggaggcag caaccttagg gccagctca gctcagatg gctgttgc tgagctctcc
134521 cacttccaa ggtggcccat attcagttcc tgaacaaggg tgacagaagg gctgtccact
134581 tcagcctaca caggccgcca ctgactagaa accctgctc cattcacaag gcttgcagg
134641 cctgcatggc agttcagtc ctctctctac cccaaactgc ttccctcccc ttccctttac
134701 aagtaatgtat tcctaataaa catcctgtac cccaaattct atcttggcag tgcttctaaa
134761 gaacccaaac catgacactg tgctttctta ctttggatgat attaacttagg tcatcataaa
134821 acttaattac atatttgaag tgccaagaac aggcctgtt agtaacttga ttgaaatgg
134881 ttcttataat taacagaaaat atatctttat ttcatatattt aaacaaatca agtccctatgt
134941 gatagcctt ttaatctca attaattat atgccaagtt tgaacattca agttttatc
135001 ccagataact ttggaaagaaa gttatgaggc taaaattaa aggataaaac taaatggga
135061 catctaataat aatttagatgt tcatttcagt gacaacaaat acatttcagt ctatcttta
135121 atgtgttaca caaagctggt tctataagtgt cttggcatca ataaattaac aaccaggatt
135181 ttggccagca aagccagcag catgcatata aaaccaacaa gggatattag gcccactgcc
135241 aaagtttat acaactatgt tcacttaatt tagttctcat atcagatgtt aatcatgtc
135301 gttctggaaa agtatttctt ccaaccctcc cggaaactgg aaattaat atttctctgc
135361 ttgcttataat ccaacactac aattttactt ttatcttaat ctggaggtaa tgtttaaaga
135421 ctgtatattt aagctatcca agtggggata agttttaaa cattacatgg atagttgtga
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135541 tagagcccaa aaggtccttt cattcaacgt ccagaatgtt ttcattcaaa tattatgg
135601 tgagcaccaa ctatgtgcca gtcaatgtt gggtagggcag agctattccg atagttgtt
135661 tcttgcttgg tgaacagaaa caggaatgca ggaaacaaaat tctgccaat gatccctaca
135721 cttaaagaaaat ggcaaaaaat atactcctac atattaaaaaa taaatggaaa gaaccatata
135781 tttagatgca aaaaaagatt catgattttt ttctctttt tttttttttt
135841 tttagagaca gagtctcgct ctgtggccca ggctggatg cagtggcgcg atcatagctc
135901 actgcagcct caatattttt ttcttaatgg tggccaaaag aatactgaag aaaggcagc
135961 ctggaaatgtt gaaccctact tatttcataa gcagaaacacag ctggccagtt ttggcact
136021 gctgtcttac taagactgcc aaatggaaaag cccaaataggc ctggccatgtt atactgcatt

FIGURE 1 (continued)

136081 tcattcaaatt gttaccaatc acttaacatt cattgtaaat actgagtgtt taggaatgcc
136141 acagaaaattc tggagagtca caaacttcta aagggtcggt aagcacttac gcaacatttt
136201 tataagcaaa atctgagaag tatgatacta tttttcattt tagaattcag tcataattctt
136261 cactaaattc aaaaccaaac cacatatata ccactcaggc cagagggagg ctgaaaaaat
136321 aacacttgac aaactgacag aaaaatgcta cctcctgcag agaaatagag gtgtaaaac
136381 aaatcagggtt gattctgtt ttttataatg tgtaatcatt tacaggacat acttcatttg
136441 caaagaaaat acttgtcat caagttgaaa gatgaatgt aatcgcttt tgagcatttt
136501 atattaactg gattaaggta gggacttagc agaaggcaaa aaggcaaaat ttaacaattc
136561 ttccctaaaat ttatgttca atttttgtt gttccagaga agaaaataat ttttttcac
136621 gtttccatc actcccaaac aattttaaac agaaaattt attattttat ccttagttc
136681 attatgtatga attaaatact tgataaaagg agaaaagtaa actatcttt tatgttgatt
136741 ttttttaaaa agaaaaccaa ctgtgtggaa tgagggatc agagactaat tatatgaaga
136801 ctatgttaat gtttattt gttatattt aaaaaacctg aaggctcctg cagactgtt
136861 tcattctatg ctactacccc actcctggc gcaaccacca aatttttagtg ccaccctcat
136921 aaatgccaag ggagtaagtt tattttccc aaggttcaac agagatctt tttgttttt
136981 ctgagggcag tggagtcctg cattaatgca tatttttattt aagctctcac ttttagtttag
137041 catgcaacag atatttcca aaggtttttta taaacccctt tagtttctg acttaaaaac
137101 cccaaataca gtcatgaagc ccacgtatct aaatattcct gtcacaaatg gaataatgca
137161 aaaaatcttc aaagttacca ttctcatcat taaatcattt tagatttaat ttctcgtgca
137221 aaataaccaa atagccccca aagtttccag aacctgttgc ctcagcagg agctagccct
137281 cccaaagagc acagagaatc caactagagt cacctaccca ccaggtctca ccagatacag
137341 gttccacaaa ctttcctgca tccagaaaaat attaggaagag ataaagaccc gggggaaatag
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137461 tcctgatttt gccaattact aattgtatga cactggctt gttgctgaat ctgtccaagc
137521 tcagcttccc tttgtcaaga tgaaggcgctc aagatgaaga tctgcttttag ggaattcggt
137581 gagaatccag caagatgtt agggtagggc attcagcaca gcccgtgcct tagcagtgt
137641 ccatgaagag gcgattgtt tgattactgt cgtcctcaac attgtgatca gcccacac
137701 ctacatctgt cagctatgtt tagaaaggcc ttggctgtga gcaacactat tgactgtctc
137761 tcccttctt ccaggaatag tacagacaag atagaagagt cagtgggttga gaactaagag
137821 gtaagaatat tttggcactg cggttcttta taacacttag gaattaaagc aattggcacc
137881 ttgagtagac tcaaggaaaa atcagatcg tggcttggaa gtgcattccag tataacttgg
137941 aatgcaaaaa ttaatttat ttagatggcga tataataata atagtaataa agataacatt
138001 taacacaaca acctcagagg taatatcaca cagattttc agataactca cggtagttat
138061 taaaatttctt gaagaccaca tagctggtaa ggagaagagc caaaatttgc atctaagtct
138121 gtttcattcc aatgttcat aatcactgtt atctgttcca agtgccttcc caacaagctt
138181 gaaggctcat aaaaaaccac tacatgtatgg aatcagatgg atgagatgg gtaggatgg
138241 aactcatggc atgctcaata cagaactatg tggctttaaaa aaccagaaga aatggtcagg
138301 ccttcacat aacattccgc acaaagtgtc aatctttttt gaggccatt aatcatctgg
138361 taatttttaag atcaaacaac tgagaccaca ggataatcac ggaactgtc agtccctagaa
138421 cgtatggact ctaacgcata tttgtcat gacatcaagt ctcacacca aaaaactgccc
138481 aaaaaggtttca taaaagag aacttttaag aataacaatg aagaacaaat acggacattt
138541 tttttttttt tttttttttt aaccttaggat taaacgcac acagtctcat aaaaagcaat
138601 atcaaatttc ttttttttac taaaagttt gattaatcat aatcctttagt tcgttacaca
138661 tatgtttttt gtttaagagc cagggtctca cttggcttcc caggcttagaa tacagtgg
138721 caatcatagc tcactgcgc ctcaaactcc tgggtcaaa gaatcccttgc gctcagcc
138781 cccaaatgtc tgggaccaca ggcacacgc accacacccgtt gttttttttt tttttttt
138841 gtagagacga ggtctcgctt tttttgcata gccttgcgtt agactcccgat cctcaagcaa
138901 tcctcctgccc acagccccc aaaaacccgg gattacgaag atgagccatt gagcctgg
138961 cgttacacat acattttatctt cttttttttt tttttttttt tttttttttt tttttttt
139021 cattttatattt ttatgtatgtt attttttttt tttttttttt tttttttttt tttttttt
139081 caccacctga cacaagaact agaacattaa aaattttttttt tttttttttt tttttttt
139141 acccacctgc attaactgtt atcatgttata ataaatttgc gttttttttt tttttttt
139201 atcatatattt ttatgtatatat tttttttttt tttttttttt tttttttttt tttttttt
139261 attaaaagtt taaaaggagaa aaaggatgtc atataaaatag attcataaaaaa gcatatataa

FIGURE 1 (continued)

139321 aaatttata taaatccctg atataaaactt tagtaaatta agtataagaga agggAACATC
139381 cttAACCCGA CCCGATTAA TTTTTTTT TTTTCTGAG ACAGAGTC TC GCTCTGTCGC
139441 ccaggctgga gtgcagtggc gcatctcg ctcactgcaa gctccgcctc ccgggttcat
139501 gccattctcc tgcctcagcc taccaggtag ctggactac aggcacccac caccacaccc
139561 agctaatttt ttgttagttt agtagagaca gggttcacc gtgttagcca ggatggtctt
139621 gatctcctga cttgtgatc cgccgcctc ggcctccaa agtgcgttggaa ttacaggcgt
139681 gagccactgc atccggccaa aattaagtac aattctagtc aaaatcgta atgggtcggtt
139741 catggaaactt gagaaggta ttttaaaatt cacatggta aacagccaag atacttttga
139801 aaacgaaaag caaggagggg acctgcaccc tatcagatat cagcatttct tacaaggcta
139861 agacaatcta actctggaca gggagagaca tattgaccta tggagtagaa gagggcccag
139921 aaaaaaaaaa atcccacaca tatgcataac tttatatat gacagagatg gtgagtttat
139981 gtgaataaaa atgaaaactg aacctccatt ttacattaca caaaaattaa ctccagatgg
140041 attaaggact taaaatatac gaagcataat tttaaatgt tttagtgaaa atatgtttt
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140161 aaaacaagat acagtattag taaaatttgac tttttttttt acaaggacat acgaccatca
140221 aaagtccaccc tataaaaagt ggaaaaaagc tacaactgg gagaggatag ctccatctg
140281 tataaccacc aaaagattag aatcaagaat atataaagaa cttctataat aacaagaaaa
140341 actcagacaa ttcaaaaaaa actggggcaaa agacatgaat aggctttttt tttaaagggg
140401 gggtggataa ttttagacat aagtatttgata aataatattt gacctcatta gtgatcaggg
140461 aaatgcacat caattataaa ctcacataat tggcaaaaat ttttaagtgc gatagtagcc
140521 agtggggcaaa gagaatatgg atgaaccaga tttcttaat attgctggta ggaatgtaaa
140581 ctggtacaac tactttggaa ggcattattt cattatcta taacattcag atactctata
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141001 taaaaccagg gatcaacgta acaatcaaacc tgaaatccct acctcaataaa aaactgatct
141061 taaaagtaca aacccatcaga atttccatgg tgcataatgc agtctccctt acttatttca
141121 tgcataatgg ttctgcattt catcaagatg aagtggatg caaatagata aaaccacaaac
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141661 ccacacatca gtgtccatct gtgaccattt ttggatgtaa aaggtcatac atttgcattaa
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142441 agacaatcc tttgttacag aaataaggat atcgaatatg attagtttt ttggatcaat
142501 aatgtcaaaa accattacgt atgtgattca taaaatgcaaa taacaaaat aaaaatattt

FIGURE 1 (continued)

FIGURE 1 (continued)

145801 ctgtgtgtca tgatggca catgactaag atttggccaa tggatgtga gtatacatat
145861 tacgcacaac ttctcagtca tgatcttgc cctagttaga atctgattga aatgtcaga
145921 gccatcttag gccatgaaat agtagataca tgagcatcaa ggtacaagga gcctgggtcc
145981 ttggtaactg tagaaccaca gtcaggcctg gacccatt ctagccatgt agatagtagg
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146101 tattagtcaa aataatacaa tagctaatac ttattggca tttactacat accagacact
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146221 tattcctatc ctcagaaagc caggccttat ggagaaaaga taactttctc agagtcattc
146281 agctactagg gcctgaacat aggccatct gatgtgtatc ccatggtcag gctgtgagcc
146341 acagccacat acacaataaa ttccatttg ctggatgga gaccagccac gaccccttc
146401 taacaaagcat tccaagaacg ttgagtttta tgcgtcccccag atttaactgg catatctca
146461 ggactgtgaa gaagaaaaaa aaaattgcat catagcacag aaatgaagaa agagttatac
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146701 gttttataa gggttggaaat ttttataatc atccagtatt acttttatca tctaaagaga
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146881 gtaattatag agataaaata ataaaagaaa cataccaatt ttttttttttcc tatttccac
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147301 aaaatgaatt gtgtgtccag acacaaacag gtttttttttcc gcccagggt
147361 aagtataaaa gtttataat ttggggggccaa aaatttaact gaaagctgaa aggcacatgc
147421 attatataaga aatgcaaataa aaatggtctc aatatagttc ctggacaagt ttccaaacc
147481 cttctccctt atacaaatga tatactgtaa tttactttcc ataattact ttcttgc
147541 atacttatgt cttaaatatt actgaccatt ttttttttttcc caacactaaa atcattatgg
147601 tctgacattt ttatatgtttt ataaaacaca ttttttttcc actgttttttta tttagaagaaa
147661 ttttttttttcc ttttttttttcc actgttttttta tttagaagaaa agcagctgga
147721 aatataaaaac cccacacatt tgctttttaact gtttttttttcc aactaaaaacc tatcatgtgc
147781 acttgactgt gtttttccatgc aaaaggcagca ttctcagtgc aggcacagcc cacggcattc
147841 tcactgctcc ccaggaagggt gtgagggggc gactgtgcaat gctggggc cccggatgag
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148561 ctttttttttcc ttttttttttcc actgttttttcc aactaaaaacc
148621 tgacttgc aaaaacaacc gatgtatcc accagattt ctttttttttcc aactaaaaacc
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148861 gcaaaaatgtt ctttttttttcc actgttttttcc aactaaaaacc
148921 aaaaaaaaaaa ctttttttttcc actgttttttcc aactaaaaacc
148981 tccttatttttcc ttttttttttcc actgttttttcc aactaaaaacc

FIGURE 1 (continued)

149041 aatttctaga actaataagt catttttagca agttcacagg ataaagttca acacaaaaat
149101 taaccatttt tctatatata cacttcttgc atacatagaa accaaaagaa aaaacacaca
149161 tattagaaac caagaaaaaa taccacttac agtgttacaa tttatactta agtacaggc
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149281 aagaagacta aataaataca gaggcatacc atggttatga attggacaat tcggcataat
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149761 atgcttggca tagagcacat agtccataaa tagctgctca atgaataaaa agtgaatgac
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150061 gtgttaaact gtcctctgt gtgtgggcc tgggcttac catgtggta ggatggaaat
150121 agctgacttg tattgatgga gttcctgcca tatatctga cactgttctt achtgtttcc
150181 actcaaccct gcaaagcaag ttattgtat cccctctccc agatgaagaa actggggcat
150241 agagggtcaa gtaacttctc caaggtcaca cagctagtcc agggcagagc agggactcaa
150301 acacaggcaa tctggctcg tacttgccctt agtactgcctt cttctgagga ctttggaaac
150361 ccagactccct acaaatacaca ctatttttgt gtatttttctt cagcaatgtc cacctaggac
150421 aagggtgggt atgcagcaca tactttaaa tctaaatgac tgggtgtgcta tctgggctgc
150481 atttgcaat tccaagagca tcttttaggaa aagtttttag ttaaagttt tgggtttctg
150541 aagagccctc ctgaactttc tataatgttt tagttaattc caccatgagg atttccatga
150601 caaaaaaaaaa ttgttcatgt gtgataaaga taaaatgtta gtacttacca gatgttaagt
150661 tttaatgtta aatattgccc aaaatagata cccaaaacaag actagcaaaat taaaatccct
150721 cctggggaaa attatttat atctcagtta aagtcccttccatataatcc cccggccatc
150781 cccaaacaaac acacatagaa agcctttgat ggcaaaggaa acctcaaaga tggcttgcac
150841 tgagaaaaca aaacatacaa caccctccag gaattctggt cttcttaag atctctatca
150901 ctaattgttt tggaaaacct caatacaagt atatgttca attctgggtt acatgttagtt
150961 taagggtaaa gaaaaaaat gactgttagt agccatccat tgccatctt ctaatgaggt
151021 atgtgcttac tgaacacatc tcatctgaaa aaaaatttt tataaaaaag atgagtttt
151081 ctattgtatct ttttttttctt acagcatttctt actaaagaga gattaatccc aaaacaacaa
151141 gaaaggcctt taatgaaacc tcacagcagc tggccatcac ccaggcttta gctgtgtccc
151201 acgatacact ccagacattc tgcattgtctt ctgtacattt catgtcagac cattttcaatg
151261 gaatggaaa ctatgatttactataattt taacattttt cccaaatgttt tgctgacata
151321 attagctaaa aatattagca aaaagggtaa caagagctgt ccagtttaca aaactaattt
151381 caaataacaa atttggagga tgataatttca agtgaccaca aagtaaaatg aaaaacttta
151441 tccttatcaag gacagaata ggcttaaccga attcaccacc tataaggggta ttctcttagga
151501 aacccaccac gggtaaccaa ttccactgg caagaaaagag aacacagacg tgattatgt
151561 accacttaggt ggcacccatca cactgttca tctccaaacc atatttccac ctccactatg
151621 gccttcccaa agtattagca gtataaaaattt caaaccagg tgccttactt taacaaaaaa
151681 taaaattttaaa aaatgagaaa atacattttca aattttttt tttttccattt aatttcttaca
151741 tctaaggctt tgggttataa tcacagaaatc atatcttccacc aaactgttcaaa tataatttt
151801 tattctgact ttatcgcccc ttggcaatgc attgttccag tattacaatg tagaactgag
151861 ataaattttgtt agtttcaactt atatgttcaaa ctgttttttcaaa aagccctgt
151921 agcaaaaggctt gtgactaact gaaaaaaacaa atgggtggctt ctaatacttc ttgagttccca
151981 gccttatgacg gcaagtgtca agtaatccctg cagactgggtt agaatgttata tcatttctt
152041 atccctttca aataaataata ttgtttttt aaaaatgtttt ttttttttcaaaacagg tcttagattat
152101 gacctttagt gatctacaaa caatttagcaa attctcaag acttgggttga cattattaga
152161 ttcaaaaggaa aagtctgagt aatgggcatttcccttattt ggaattatgt tttatgtttt
152221 gtttgggtt ggcaggagaa tggggcagac agttctgcctt acttggcttgc atcttatttgc

FIGURE 1 (continued)

152281 aaaatatcat cccagttca ggtagctaca aatggctggg tcccaagtaa accttttaaa
152341 tggagggtt ctcctggca atctcaatct ctcctttct ctccaatctg tgccttccc
152401 tgcttgcag cctctactc aataacactc ctgctttga caccatgc ccttcacct
152461 ttctttctt cttttctttt cttttttttt tttttttttt gagacagagt
152521 ttgccttgc ttgcccaggc tggagtggg gtgcaatagc gtgatcttgg ctcagtgc
152581 cctctgcctc ctgggttcaa gcaattctcc tgcttcagcc tcccaagtag ctaagattac
152641 aggcattgtgc caccacaccc agctaattttt gtatTTTtag tagaaatggg gtttaccat
152701 gttggccagg ctggctctaa actcctgcctc tcaggtgatc caccgcctt ggcctccaa
152761 agtcttggga ttacaggcgt gagccaccgc acccagctt caccttctt aactgactga
152821 ggcaggcgtc tagaatcage catttctatt ctaaggtaaa catgagccag tcacttgc
152881 agtgggtccc tacctccat ctgggtccctt ggcactttgt atccacctct tttttaggg
152941 tgaatacctc acattgtaa tctctgtcta catgagggcc tcctctacca agctaaaagt
153001 ttgtcaagaa agaagaccag gtcttaatct gtatgccc aaacccatcca tgggtttgt
153061 aacattaag cccttaatca atgcttggt aatgaatgtt tcccttgc ttgcctgatt
153121 tacatTTaa gcctttctc taactgtgg aagactttac ctctacctaa cacaggagtt
153181 ctaatTTta gagttcaaga acacatTTt atgtacatct atatgagcat tttccagga
153241 aagagggtca cagccttaat gagattctt aaggaatctc taactccaa aatttggAAC
153301 caaaccAAAGC caaagaactt caagcactt gaatcagaag agaggcatat tattaggcta
153361 aggggcctgc caagcatcca tggaaactata ttggtaggaa gctaccaact ctgcttatag
153421 gtaatctctc tgaatacAAA gttagaagttag acagactagt cactgctgac aaaatcagac
153481 cagtcatgc aatcgatgc attcacaaaa tacacaccta aaagaaacca caacttcagg
153541 gagatgacaa tgatcagaat acagatgctc ctcaacttac aatgggttca catctgtata
153601 aaccattgt aagttaaaaa tacagtaagg caaaaatcca ttacttaat acacctaacc
153661 tactgaacat catagtttag tccagcctac cttaaacatg ctcagaacac ttatattagc
153721 ctacagttgg gaaaagtcat ctaacacaaaa gcctatTTta taatcaagtg ttgaatatct
153781 catgtatTTt cttgaaagct gtacctaaag tgaaaaaag aatgttggta taggtattcg
153841 agttaagggtt tctgctgaat gcatatggct tttgcaccat cataaagttt aaaaatcatt
153901 aaattgacca taataaatca gggaccatct gtactatgt ttctagaaag ccacaaactt
153961 tttaaactgg gtagcaaagg tataggactg cagaaaaaaa tatctatTTt tattccagat
154021 tctaagtccat atgcagaAGC acagccctgt tccacattga gtgtccaaat acatacaggc
154081 ctatgcctc taaaaccctg cttcatgtgg ctctgaccca gcacccaaatc tctttgccta
154141 acacctgtgg gtgagggtgtt gtccttctcc agtttgcgt ctgctaaatg gagccacca
154201 ctggaaaaat ttcataggc taatTTtag tgaattacta agaacaattt aaaaatgggg
154261 aagtgtatTTt tcttagaggc tgTTTccca agaatttca gtggcattaa ctatTTgg
154321 tgagttatTTt gacatatgaa gatgtcagg agatacatcc caggcctctc tgacctggac
154381 tctctgactg actaattata aatcagaggt tcccatgatc cacttgc tttcaacaac
154441 tagaatgact cccagaactc agggaaaatag ttaacttact attactgctt tactataaag
154501 gatactactg aggaacagcc aaacggaaaca gatgcatagg gagatgtacg tggaaggagc
154561 acagaatgtc attgtcctct ctgtgcaccc caccctccca gcacctctac atgtatacc
154621 accaaaaAGC tctccaaaac ccatgatttta ggggttttca tgaaagcttc attatataagg
154681 catgattgat taatttttgc gtcattgggt atgagcttac tctccagacc ctctccctc
154741 cctggacatc taggggtggac tgaaagttcc aaccttctaa tcatgctctg gtcttccag
154801 tgaccagcct tcatctgaa attatctagg agcctccagt caccagtcat ctcattagca
154861 aacaagacac tcttttcaact ccagagagtc caagggttca agaaagtctt gtgtcaggaa
154921 ccgaagacca agaccaacta ttataacaaa agttgcttccat atcacccttc tcactcagg
154981 tattacaaag gtttaggaa ttctgtgccca ggaactgggg acaaagacta aatatgtatt
155041 tcttattata tcacaatatc acacataactt aatcaaattt ctgtatTTt aataatagta
155101 agatttagtta tctaaatgtc cacacaaatg gcataatca ctgaaatgc taaaaagaaaa
155161 atgttagaaag caaatggaga atcatttgc tccattatca ttttcttaccc ctcttcttct
155221 gatacggctt ttcttgagtc attcatttctt catactgaaa atcactcatt caaaaaccagc
155281 ctTTtaggtt gaaaggcgtt accccatgtat taggctttaa tgTTTgggatt cagatgat
155341 ggagggtggagttttctacca taaaggggaa gatattgaa taagccttta agaattgagaa
155401 agtggaaaaac agggaaagaat aacatgtgca aagattcagt ggcataaaaga aggtttgtat
155461 gtttagggaaac agcaagtagt tcacagttgtt gggcactgc ggtggactgg gagctatggc

FIGURE 1 (continued)

155521 gagagatgag actgaaaagc gtacagccag ccagggaaatc tggattcatc ttaaaatggtt
155581 acagggccat tatagatgt taatcagggg agtgacatat catatttgc ttctggaaag
155641 atcattctt cagcagtgt gaaatggact gaggagacta gttcagaag gagcagttaa
155701 tggtaaga cagagataaa ggatttgaaa gacattaagg aggaagaata cacttatatg
155761 actcccttca taactgtggg gtaaaaatat agtccaatct cttctttcc cagttcattg
155821 gtttgagac cccattagtc tatgttatta gcaacaattc cagtatctcc ctccctgaagc
155881 tgctccacag ccctacccca aattgttcaa aaatgtcgag gtctgtcctg gttccaaata
155941 ccaggtcgaa acagaataga aagcctgtat agtccaaatg gagtccacat ttctagctgc
156001 tgagctcct ggtaaaacca tagagttgtt acttttgcatt gctgcca caaaccctgg
156061 tggccagat ccctgcaag acaactgtga tgccctcacac ttgggatccc aggggactgc
156121 tgfttacact taactcatat acactgtcaa aggatcgata ctgtgccaga aaccaggct
156181 cagccacaag ccctccttca tgagcctaga aaggccctaa tgctagccag ttcaacattc
156241 tccttctcc atagtggatt tcccttggg cccctggag tccttcttt ccaagggacc
156301 tctgctggga caacatcaat ccatcagaga gttcggat aaactgagcc aaaaaagaga
156361 aaggagctag agttggactg ccttcctcc aggaagttcc ttggccctta tacaggcaat
156421 cagcactgtg agactttgtc tcgcccaccaa ttccctgtca ctcttctccc agaattcatgg
156481 ttactcattt gcactatatt tgcatatatt atagggttaa gtccagttt tgggaaagg
156541 tgactttcca tgtccaccta aagagcaagt gcctggacat tcctcacaat ttagaaaaga
156601 aaagaaaaaa agaagtggaa tgctgtctt tagtgactaa gtagatgggg atgcaactgc
156661 tcctgttctg agtgcacca acagggcagt ggccccagat gaaagtgcgc ccactgcaag
156721 gcttggccag tgactggcgtc ttccctgtgtaa agaagaagca gtgtgccagc aagcaccatt
156781 catcaaatgg aacacagcag attcagccca cttcttccc tcagccagtc acctctggac
156841 agtgtacagt gacgcagtc tcctgcctga aactaaggca gaatgttctt cttcaagaag
156901 ttaggttccg ggtatggatctt gtttgcattc ccaattaaatg tccttccaa agatctcat
156961 ctattaaaga agagagatcc tgataagata aagatggcag aaggggactg tttgatgggt
157021 acactttttt tcatggggct gggggatgtac tggactgaaa gtgataaagt ctctcaacta
157081 atgtgactcc ttccatgtc agaaaagaga attatctgt aattctctca ccctctctga
157141 agtgcacgtt accaggggaa cagtcatcgt tctatcttct ttatacttct ttcaagaggc
157201 ttaaagccct gtgaggggtt agatagatag atagatagag agcgagtgat agatagagaa
157261 ttttaaaagc tagactagca attactcacc aaaaagaaaa aacaatttcc ttgtttgtgc
157321 tgcgtttaaa atgtaaaattt ttagatgtt cccgcaagtg attctcttta agtgcgttca
157381 aaggattatt ttctacaaag tggaaaaaaa aaatttttaa tgcgtatagg aaaagatcat
157441 ttatttaggt gctttgtat gtagggggaa ctccagtc aaagcgtgtt gaggtggaag
157501 gaaagaaccc ccagaggggatg atgagacttg tacgcccacac cagctgcact accaactatg
157561 tggcccttcag tgaccaccc acaggaatcc ttcaatgttacc cacctggagg gctacttaaa
157621 taccacacag aatagctt gtgtggaaatg ctgtcaact ataaacgtt attcacctgc
157681 attataattt tgcgttccata aattgtgtt gtcagttcac atccccaaag gacctaaaca
157741 ttagacacca ttttacaaat tataaaaggtt cattatgtt gtttgcatttata cactctggct
157801 gaagaaaaata cagacactt tagggaaaaaaa aataacacat catccacgtc ttcaattcta
157861 catccataat aaacagtttta atccccatcac ataaacacagc aaagcctgtt atccgataaa
157921 aggagagtac taaaccctca attaaggac cagttacaac tgattaaagt aaggataactt
157981 ataattttgtt gtgttggaaat gtatgttgcata atataatttgc ttccatgtt gtttgcatt
158041 atggatttttgc ttaatttgcgtt gatgttgcattt agagagaaga cccttagttt aaaaaaaaaa
158101 gaaagaaaaa aagaaaaaaa agaagaagaa aaaagaaatgtt ttttgcattt tgcacacgt
158161 ctaagccgct taatgtccctt ctaatggatc tggatggaa gaaaggggag aaggggagtg
158221 gagcccttc ctttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc
158281 tgggtacaag gcagaagggg ctgagttgc tggccctccgc tcacttccca gcttaattt
158341 tatggtaattt agagcttgc tggccagaagg gagagcatct gccaatggaaatg aagtccatc
158401 aataacaaaaa ctgacatttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc
158461 tctcccttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc
158521 ttgcacttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc
158581 caaccccttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc
158641 tcctgttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc
158701 ttcttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc ttttttttttgc

FIGURE 1 (continued)

158761 taaaagattt gtctggccac cttattcgct gtgttgact gctacaataa gtctctgcga
158821 aggaatcaag ctgaacgcac ggttggac ctgtccctat atccaaattt tccaaaacat
158881 cagccagaat aagatattaag tatttttagca atctattaa ggtggactat attactacct
158941 ttctcagtaa aagaattcat tcaaataattt tattttgaata tcaactctgc taaggccaa
159001 aatagaatac tatatacaaa ggagaagaaa atcaagaaaa ctgcttcag gtatcatcta
159061 actgaggagt tgaatcaaa taatagtgt agaggctgtg tgggtttaaa gaactctcct
159121 ggaagtcaga tggggttat ggacaagtca ccaaagccct atgtctggc tccttatctg
159181 taacaataga ggttagtgata gctatgccac ctgcctctaa gttttcatg aagatgaaac
159241 aaaaactgaa ggaacataga agaatacgatt taaaatattc tcatacaca aaaaatgtat
159301 aagaaggtga agtgatggat atatattt cagcttgatt taatcttct acaatata
159361 tacatatcaa aagaccacac tggatccat aaatataattc aactatttt tggatccat
159421 attaaaaac tgcagtaaca agcactttgc aaactatgtat gcaatata aataaaggaa
159481 taattattct ctgcaatga taccatggaa tttattttt tttttggcc actctaattc
159541 aaggattttt gatgttaacc atcatagcca tggagacctt gaaatcta at tgcatttact
159601 aatttactat gagttatcac taggaattcc ctaactcagt atcaagaata tagaaatcag
159661 aatatacaaag tttttaaaat tatgaaattt gtctaaagg aacatatgtt taaaatata
159721 tggctaaaac cagcaagcat tataaaacaa agtcaacttt taaaagactc aaattatata
159781 cacaatcc tcagtcacta tggatccat tgactttata cataattacg tgcaagttt
159841 gaattatatt atgactcatt tttggccggc catggggct cacacctgtt atcccagcac
159901 tttggggaggc gaaggcagggt ggatcacttg aggttaaggag tttggagacca gctggccaa
159961 catggggaaac ggcgtctcta ctaaaaatac aaaaatcagc tgggtatggt ggtgggtgcc
160021 tctaattccca gctactcagg agggcggggc agggaaatcg cttaaacctg ggaggtggag
160081 gttgcagtga gcccggatca cggccactaca ctccagccag tgagactccg tctaaaaaaa
160141 aataaaacaaa caaataaaat aaaaataaa aaaaagatata atatataata agactcattt
160201 ttaaaggcat ttttagtcaa ctatgttttga gtattaaaaa catacttaat gtaagtccgg
160261 tacaatatacg aaaggtcata atcaatcaca taatctttt cttagccat ttatctgcc
160321 atacatctgt aacagagatg tggatccatg agggtttaca tttcccgac aaacggaaatc
160381 atagaacaat agggttttag agtctgttgc tgctttatg taggttgcac ttccctaaca
160441 tttgcatacg ccagcatttc acctattttt ttaaactgca tgcaataggc atccatgcc
160501 caccattttt aaaaaggact agtgcctac ctgggattag tccttgaccc ctacatcaaa
160561 atacacttct ggtcatgcc tttgggtttt aattgccttt ggtgttctt gtcagccctcc
160621 cttccatggc tgccatcccc catctgttcc cctgtggcacc cagtacccaa ctgttctt
160681 tctgcttgc tcaactctgt cttctctctt aatgataac tcaactctg cttataaagt
160741 tttcttgc aagtatcaca ttctacttta cacacttac ctttcaaaagc ctttaattt
160801 ttgtttat atccatgtt gttatattt tttgttccc ctatataatt ttaaatttctt
160861 atggacacaa attaatgtt actattttc acagtcaat tcaatattac catattactt
160921 tcataatgcag aagtatgaca atgggttagac tttccacact atgcaatattc ctgttttt
160981 acagatagtt aaatcttaat acactgttag gagcccaactg actacgggac attgttttag
161041 ttgctaagaa aattttctgttga aggataatct taggcatttgc atgttgcata tttgttgg
161101 cacacaacgt agagatagaa taaaataaaaa ttaaaccaggat gagttacta cttcttgcta
161161 acattcaatt caaatattaa aagttagactc actcaagaaa aaaattacat tcctctatgt
161221 ttttaattgt cactgcttac ttaaacccttta gataactaaga aatgaaggta agaagagatt
161281 agcagcaaac ttcaaaaggta gtggcaggcg ctggcgttcaag aacataattt gatgggttatt
161341 tcattgacat tacttactca aaacacactc tagagatgtt gcaatggctt tacatggaaag
161401 tatataatgt ctggatgg atcacttcaaa gaaacaaaaa gcaatggcttca ataccagca
161461 tatatttctc acaaatgtt actatgttcaaa ataaagagaga aaaatagcac ctgtccaaac
161521 tttcaatattt tttgttggat taaaataaaaa taacacttta gaggtgtttaa aatctgttac
161581 atatgttgcata aagatgttata gttttaaata taaaagaca gctttccat acaaaacgaa
161641 aagaataacctt taataaaaata aataatgtt aaaaagatata aatgggcaat gcaatgtt
161701 agaaaacacaa actgccaata aacaactgtt aacatgttca aattttacttag gaacccaaaa
161761 aatataaattt aaagcaacta tatcattttt aaactctgttggcaggaa aaaaatgtt
161821 aacactatag gtatagcact ctggatattt cttatgttcaaa gaataaaat ttttttttt
161881 ctggaggaca atttggcaac acacagccaa actctacaca tacactctca gcaattccac
161941 ttaagaatattt atcctaagac aataattaa caaatgttca ctgttcatg gtttataata

FIGURE 1 (continued)

162001 acaatattgg acattactag aatgaacag agaaaggcct cattcaatag acacactcat
162061 atagtaccat aatgtattgt taagtaaaa agcagctat aaaaatgtatg tagaatatga
162121 tcctggttt taaaaagaca aaaaaaggag gaaggaagga gaggagaggg aaggagattg
162181 aagaagagag gaaaggagga gggggaaaggg gtgtctgtgt gtgtgtgtgt gtgtgtgt
162241 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gttggatgg gggaaaggtaa gcatttgggg
162301 tatgtgtgaa tagggaaaac ctcagacagg atcatgacca agtgttaact atgctgtat
162361 gcataatttt tcttttttc ttatatttt tctagaatgc ctgaatgcc ccaaagacta
162421 ttttcaactac gaaaataaat ttaaactgtta atcacatttgcatagccact ttataattaa
162481 agagaatct ttaacaat ttcacatcat tatcttcaga ggcagtcagt gattatttct
162541 agttgggtac aagagaacctt tcacattca caaagtgtgt ttcttagatat accaaacaaa
162601 aaqaaaaaca aaaaaaccta aaacttgcgt tgcgtccaca gagactctt aaaaatattc
162661 tcttagtactt cccagtgaaa agcgcctcag tggaggcagg gcctgaaacc tcattccatg
162721 tat'agatac tggttggcca ataagaatgt gaagagttaa atacccttcc agaataactta
162781 atgtatggaa tgaactggga taaaataataa ttacatttgc aaataactgccc caaagaaaaga
162841 tttctgagat attctaactt caggaatcaa atacaaactg agtcgacatc aagtcagca
162901 gcatataaga atgaagtaag acaactctgcc ctgtgttcc caaattcgctc ttgcgtcgct
162961 actcccaagt taagaaaagc ctataacaga aaaataataa aacaagaaaat tttccatcat
163021 ttttagataga cattgtgaat aattctacaa agacacactt ctccacttcaatatgtc
163081 caagatgtga aatttgacgtt attctttctt ttccaagattt acacatatgg tttcaataaaa
163141 tcttttattt caattttcat ttcttgccca tcattttta gatcaaatct aacaacccat
163201 gtcagactca cttaaaaac acacagcttag acacttctat gggacctctc tcttcaactat
163261 ttttagactc tcctagaatc ttactaatgc ctgtttctt tataccctta gaaaatttaga
163321 atgttggggaa aatgtttact ttaaaaaaaa aaataaaccat atgtatctga gtgctacata
163381 aatcaccttt ttctactctg aaactgcccgt gtcaatagtc actagccaca tggggcaatg
163441 gagaccttga aagggtggctg agtccaaatc aagatgtgtt gaaagtgtac aaaacacact
163501 ggatttcaaa tatataataa tataaaatataat taattgtata tatataataat atacaattaa
163561 taatgtttat attaattaca tgcacaatgt atgttttact atagttagttt aaatataatt
163621 tcatctgctt cttttgcct ttttgcgttactagcagaa gattttaaat tacttatgtg
163681 gctgcattgt gtttgcgtt gatggcgtt gtcgttgcgtt ctgttgcattt atgtcgat
163741 tcttactgcc atttctgttactt ctctgcattt actcagttt ctctttttt aataggtctt
163801 catcagtggc attactcaag agatttgctc cctctaccac actcggtaaa acacctgcca
163861 ctatgttactc cttttccccca aaattaacgt ctgtgttgcattt tagaagcttt agctctactt
163921 taatctgagc actctgcact cctcgttgcattt agtgtttcc coagcggtt tctgccccctt
163981 tggccacat acacttggc agtggagttt cgttatgtt tgccatgtt ggtggatggc
164041 gtaactttca gtttgggtt caaactcgct tcccacaggg caaacacact aaagtgcac
164101 cacaattccc ttgcatttactt catttcattcc ctgaatttctc ccagtgcacc aggaggaaatg
164161 ttaaccattt tataccgttcaaaatggc ctactgttactt agttaggtt gctttcataa
164221 aaaaaccca atgacctggc tggcataacc aaggttgggtt tattttccaa cttaagaaaat
164281 tggcagagg taaacagata agaggtgtatg caatagctt atgtatggac aactgcccata
164341 gcttcctctg tctttccgac ctggcccttgc ggtctcaaga tggcccttgc atgttcaggc
164401 agtgtatcta tgctccaaactt aagaaggaa aagatgttgc gcaaaaggca catgtcagcg
164461 gtttttctt ttatcaggag acttctgtt ttatctgtactt ggccagaactt aactttagtg
164521 gtcacccttag ttacaaggaa gtcgttgcattt gatggatggaaat tttttttttt atcagaatgg
164581 aagaacggta aatggatttgc cagttgttgcattt tgcgttaccat agctatattt tcacaaatat
164641 tattgttgcattt ttgttagaga tacgttgcattt aatgttgcattt tgcgttaccat agctatattt
164701 ccaacaaaat tcacaatctt aatgttgcattt aatgttgcattt aatgttgcattt tgcgttaccat
164761 tataatgttgcattt attatgttgcattt tgcgttaccat tttttttttt tttttttttt
164821 ttacaacaac ttccatgttgcattt tgcgttaccat agttagttttt tttttttttt
164881 atatcttttcaaaatggcattt aatgttgcattt aatgttgcattt tgcgttaccat
164941 accagtccaca gcttcattt caacatggcc tcaacttactt tttttttttt tttttttttt
165001 tattttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
165061 tgagtcatct gcaaaattcc acactcctgtt caccatctg atccaatacc aaattcagca
165121 ttccactcaa atttctgttgcattt tgcgttaccat tttttttttt tttttttttt
165181 cactgcccactt aatgttgcattt tttttttttt tttttttttt tttttttttt tttttttttt

FIGURE 1 (continued)

165241 gtattaaggc ctacaccatg ccaagctgag aatgggagag ctgcactgcc tgaggatgcc
165301 aggccctcag ctgggagcac tcactcactc actacgtat tcactccaa acaagagccc
165361 tgcagaaaagc ctgattcaag ttcttgggtc agcaaaaattc aagtttctaa aatgtcatat
165421 atctttatgg cattggaaa aagtcagaac tttctatgt taattcataa atgttactga
165481 tcaattctgt tccctgtat ggcggcaagct ttccaaaagc tggccctttt ccacaaagtg
165541 tcttctttct gtaacaccca ccccccata taccaaata aaccctactc attcctcaag
165601 gttcaattct gattcacat ttccacaaa gccttccaa atcgctctgc tataactgtt
165661 ctctatgg atcaaataa gcacttttct tctatttctc tcatgtcatt tatttctgcc
165721 ttatatttc gatcgtctc agcctctccc actagatcaa aagcttgact ctataactt
165781 agcagagcat ttatattt tggcatt gaattaaatc tgattttgtt ttgtctatgt
165841 gaçagacaaa aagtaattgt gcaacatcat tgaccacaaat gttttttaa agtctggta
165901 caaattatga ctgtcaaaaat aataatcagc ccattgctt ccattttgag ctccagagaa
165961 aattactaca aacatata gggatgtcct atggccttga gcacagagga aagattgccc
166021 accccagtgt ctatacaagg ctttcaactac tccactatgc agcccatagg tccccatata
166081 aattcagcag aagaatccag ttacacaacg attcttgagc atctgaaag gatgaataga
166141 ttccctgaac cccaaaattt ggacacagaa tcttttgcc attccagggt agttcccatt
166201 taaaatacag ctttgattgg atgcagtggc tcactcatgt aatcccagca cttggggagg
166261 ccgagacagg cagactgctt gagcccacga gttcaagacc aacctggca acatagttag
166321 acctcacctc tacaaaaaat aaaaaaatta gctgggcatg gtggcgtg cctgttagtcc
166381 cagctatgg gggggctgag gtggaggat cacttgagcc caaggggcaag ggggtgcgt
166441 gagtcagat tgcaccactg cactccagcc tgggtgacaa agtgagaccc tgcattaaaa
166501 aaaaattttt aatggatcag ggagcacact tatttagtaa acatagcatg tattccaatt
166561 aataaaactgt tcaatgtaaa aagttggggt gataagaatt aacattctaa ggaacaaaaga
166621 gcagaagcta agaaggcata taagaaggc aaaaaaaaaag ttggaaaaaa atccacccctta
166681 ttggcaaaaa aataatattc ttgcacatgt aggttgcgtg tgattataat gtatctttt
166741 ttcccttc tggcccaagg ctcagaggct aacgtgtat tctagagaaa catataacaa
166801 ctttctctg actgggttga aaaaactgtat ttgttctcac tagagggatg gtgcaagct
166861 taaaaaaagc tatagagtga tgaaggaaa atagatgtaa gtgcaggat cctgtttaaa
166921 ggatcaagga aggtctaact ccaagaatgt ccacttaacg ttatatttc atttctacaa
166981 attctatctg gtttcatttc aaatctttgt catattctca aagtcattt tatttctta
167041 aatatattaa acagacatata ttacattct gaaatagacc actccaaact ctgcagtc
167101 cgtgaaactg actctatagt gtgttttcc aattaatgtat tgctcatgtat agtttattt
167161 ttatgtgtt gggatggga ggagtccctt accgtggtt caaggccctt cagtttatt
167221 tggggatt tattaaggc tacgtttaaa ttattgtgtt cttccagaga gattccctt
167281 tccttctacc aggagctggg attactgcca atccaaagacc atttcaact gaacattcaa
167341 cttggcccta cagggtgtat gaactcaaac ccagagccctt cttcatgca ggcttacgt
167401 tggtaactct catggggac ttcttttcc cattccccc acaaccaaag cagagacagt
167461 tatatatgtc cccaccatgc ccttccaga gcagatctt cctagtgttt ccactcgaaa
167521 ttaaccattt ggtgtgtca ctctatgtgg gagctctgac ttgaccttta ccctgtctt
167581 ggctgttt cctgtgtcc ctacacatgc ctggtaaaaa cccacacttt aggccctttag
167641 aggttaacag ataccacggg gaccaatgtc tggtccatg gtcacttacc cctcctgaca
167701 catagtgtct tgcatttcc accctccaag gaattccctt acatttctgc cagtcagcc
167761 atgttttaa aactacttt taaaaaatat ttatcttagc atgttcaggc ttgtttccc
167821 aagcacggc tcccttaaca tctagtctgc catatagcta gaactagaac tctccgtcc
167881 agagattgc acaggggctg taaacagtcc catgtggcat gttactaccc tgggtcaaca
167941 tccaaataac aggcttcat tcaacctcta aaatcgtat aatgtttatg tatacattt
168001 tcttttaccc caatgtata ctgtttaat atgggtgttag tgcgtatcac atattataat
168061 ttatacaata attattttataaattatac ttaattataat tcaatattat ttatttctt
168121 aagaaggta ctgtacttgt tccatgtat cacacccata gcacatggcc tctaccaatg
168181 aactttaaa accaattcag aaagcaaaaag gtaagttatg taaaacacta actagtc
168241 ttaccttattt ctagagccctc tgctcaacaa taagaattta agaaaaata agtaatatta
168301 taaaacaaag ttactatcat aattgtctt ttttttttttttttagatg gagttcatt
168361 ctgtgtcccc aggctggaaat gcaatggcac gatttcggct cactgcaacc tccccctccc
168421 gggtaagc agtttcctg cctcaccctc ccgaataact gggattacag gcatgcacca

FIGURE 1 (continued)

FIGURE 1 (continued)

171721 catttgcata tctttggct ggccataacgg gtgtatatacg ttcctacagg ttgtctgaat
171781 atgaatttta attgctgata aggtgataa ttattccctt tgatgactca ctctatttt
171841 ctaaatatata aaaaaccact tactgagata caataagca tgatctttg tacatgtaga
171901 tgcttccat attttaaac attaattttat ttctgtttt agacacaaca tatgtatatt
171961 acagacagtc tgagatataa aaaaaagcac aagaataata taaaaatcac ccataatccc
172021 aacacactt tccctttaa tactgtgt tacaaaaagt taatttccct tctccgcctc
172081 cccatccatc ccgatccccg ctaaaaagtaa ttactgttaa gcatttggta tatgtatatt
172141 gttccaggac tttccatgt ttcttctat aaaaatagaa tcacactgat cattgtcttc
172201 tgcaacaggc tcttttccct taatactcta tcacagacat ctttcaaga tacatagacc
172261 tatctcatc ttttgatagg cagatggat tctaattctgt gtacagtaag ttatgaaact
172321 gggtaaaggc aaggcaaaag ggtcccgat gatatctgag gtatatacat tacaatttt
172381 cagttacggt ctcataggt aactgcccca gttccctgc ccccataggt atctgccacc
172441 agttcctctg ccccccttgat ctttcaactgc aatcacccaa ccttcctca ccctgcctc
172501 aactcatcaa ccctcatctc cagcttggt ggactgtga gggctgtcag agaaacctt
172561 cagccttcct gactggctcc atttcgagc agggtttcca acctccctg ggctacctga
172621 ttgtttacca ttgtttttt ctcatcttca ctatcttat tccagttccct tccatccctt
172681 cttcaatccc cactctaccc tccactctg accatacggg gaggtcgcta atttacagag
172741 taagtagaga acattcaaac atggcctcac ccaccccttc ttcatcttc atccctgcctt
172801 tcttggccca cccttcctt ctccatcccc aagtcaggaa aagggtaccc tggttcttct
172861 ccaaggctt accctccatc ttcaatgttg ccctccatc gatgtccttc ccccttatac
172921 ctggaaacaa gcttatgtaa atgcccattt aattatgtta ataataaaaa tgtatatagc
172981 acttaaaatg tccagaccct ttcttaagta ctttatatacataattttaa acttcataac
173041 agccctatga ggtgagtgtt acagtaattt taattatctc cattctacag attagtgaat
173101 tgaagcacat tgggctcagg ggacctgcca aggtcacaca gctactaagt gagattcaaa
173161 ccccaaggcag tctggccctt aaccaccaag ccccttatataaagcttata taataggacc
173221 agggaaatga ttttagagcag agtggaggta gaagactgga tggcagaga agcctgtaga
173281 gcgccccaaac caacagaaaa ctactctt gtttgcctgg tttgaagtac cagagacaaa
173341 catcaactggt atggaaatg atggagagac tgcgtgtgg ggctgtctt tgggcctat
173401 tctatgaaag cggatactcc cattatctt tcaattctaa atctcagatt gtctccatc
173461 aagtagttaa cctggtgaa aaactctt ccatggctaa agccactaca cctaataccca
173521 tgggaaccaa ctaggcaagc tgcagggtgc tcagcacaaa ctcctgaca tggaaaaga
173581 gctcaaagca cagctccccc acctactcac catctacagg ctgcctgctt atgcctgaga
173641 cactcaccta aaccatccag gcaccccatg atacttcaac actctctca cccagccagt
173701 gtcactccag tctacttga atacttagtc ccagacagac catttccat gagataattc
173761 taactttctt ctcataattt taccagaaaat acgtctttt ttggcttccc aatcaccatg
173821 cattttccctc ctccactata aagaatcaaa ttaacattha acatgttagc cctttaaatc
173881 tctttggaa gttaccatct gtgattttc taccaccaat ctccttcc ctccatcccc
173941 aaccaacaca cacaaaaacac actagccct tctttgcctgg gctaaataaa tacatgttagc
174001 cccattaaca atccttcata tgacctgggtt ttacatctt tccatctt ggtcactcta
174061 atatctaaat atgatccatt ttgtcttactt ctctttaat gtgtcccaga gcagctgtat
174121 gacactgtt gactcacacta agggaaatctt acagatgtgc ttccacacatg ctacttcag
174181 caccaaggc tcattccctc tccactctca gagctgtttt tcaaggcccc tatatgctca
174241 ctgagttca tattaaatgt gtgagttca acctcatcc attgtgtcta ctcccccatt
174301 ctcttaatag ctaaatccac tgatgccaac actaccaccc cctacagact aaatcaaatc
174361 ccacttcctc aaccagtctt gaccaagaca aatgtgtatc agcagctca gcctaaccct
174421 gaaacacaga attaagctac tttccagca tttactgaca aatcaatctt agatgcaggg
174481 gttccagta accccccaggg ttccatatact gccccttagc tcaacttttcc ttctccatc
174541 gctaaaacag gatatgggtt tgatccctag atcacaatt cagtgccac agattaccc
174601 ttccaccagt aatcctgaaa ggatgttcca ttgcaggagg cagaataagg caaaactgca
174661 aagttggcca tttccatca ttcaagaaacc acattctctg gttggagggc agtagactaa
174721 tttgtatata agaaaagaca atctcgatt ctcttaaaaa gtgttactaa actttcaaaa
174781 gtaactttca atagaagatt taatccaatt aataacaaat atttaggaaa cacaactag
174841 ttttagatac tatatattac aaataacatc acttcttatac aaaaataagt gtgccaagaa
174901 tctctggcaa aagaacagag gtcatctgc actactctt tggataaa gcaatgaaat

FIGURE 1 (continued)

174961 gaagtctctc agacagtggc ccccaaccct ttaggcaata gggggagggg tggggaggg
175021 gtatggttt tggatgaaac tgcacccaccc taggtcatca ggcattagat tttcacaagg
175081 agcatgcaaa ctagacccct ggcacatgtca gttcacaaca ggactcgcgc tcctatgaga
175141 atctaattgcc actgatctga caggaggcag agctcaggta aagcaagaga tggggagtag
175201 ctgtaaatac aaacgaagcc accctcaccc gctgctcacc acctgctgag cggcccagta
175261 cctggtcctt ggcccaggcg tgggggaccc ctgtcttaag aaactatgta atttattcaa
175321 ggtcacagag caggctatta acaaaaactga aacaaggact caggtctcca gattccggc
175381 tgaataata tctagtcac tatgaggtac agtgcgttt cagagttga aacacacagt
175441 atcttccctt caacaggcata cgtggtacac aacatgaatc cacaattatg aaatcagta
175501 tgaatctaca gttatgaaac actaaagcaat gaaaacatac aacaggccca ggcatggtgg
175561 ctcaaggctg taatcccagc actccaggag gccaagggtgg acagattgct tgagcccagg
175621 agtttagagac aaggctggga aacaaggcaa acccccgctc ctcctaaata taaaaaaaaatt
175681 agctggtcat ggtggcacac acctgttagtc ctaactactc aggaggctga ggtgggagga
175741 ctacctgcac tccaaacttgg gcacagaag tgataactctg tctcagaaaa aaaaaaaaaaaa
175801 aaaaaacata aaacagtaca gatcaacatt catgggcctt tattatgcag acaacagcc
175861 ctgaaaagtgt tgactataaa acacaaaact atgaaaattt aatttgtata ggggaaccca
175921 aacatttgc tcatgattac tgattataac aagtttatca cactttaatt cacaaaaaaaaa
175981 gacattaatc atgaaaagga aatcaagtct cagaaaggca gtaatagcat agttattaaa
176041 tggtaaccat ttgaatctta cctccctccac ttactagctg tataacctca aggaatttagt
176101 caacctctct ttcgctccat ttcttcatct ataaaaatgag gactgtggta tttatctcat
176161 ggagcagttg caatgattaa atactttgtt atctgtaaaa tacttggac agtgcctggc
176221 tcatagttgg tattcaataa ttgtctttt ctactcatgt attattttt tccacttgg
176281 taacaaccaa ctcttgacat ttgtcatatc cctttaagtg tagccaaatt ccataaggca
176341 ctggaatgac atacgatttc taaaaggacc ctggtttga gccaaaaatt aaataatgg
176401 agagatgtgg tagaaagtaa cagctacatg ttcaaggat gtgataaatg gccaatgtgt
176461 tagtctgtct gggcaacaaa ataatggat ttgggttgg tataaaca cacaatttt
176521 ttcttcacag ttctagaagc tggaaagtcc aagatcgaag agctggcagg ttgggtgcct
176581 agtaagggcc catttccctc ttgatagggg tgacttctca ctacgtcctc acatggtaaa
176641 agggccaaat gaggccctg gggctcttt tataaagtca ctaatttcac tcacgaggc
176701 ttcaactgaca tgacctaatac acttgcaccc atccccacc tcctaattccc atcaccttgg
176761 ggacttaggtt ttcaacaggg attctgaggg gtcacaaaca tccaaaccac agcagtcaga
176821 aatcaggaga atggatcatg gggagtgaca ggcttagccc gccttggatt ggcagatatg
176881 gaggtagagg aagtaccaac agttttcaaa accaatcaaa cccaaacatt tcatttatca
176941 catcgaaattc acaatgtact atcggttacca ctacaatgac tggcaagag ccccttaca
177001 ctcccttacc attcctactt cttttttttt tttttttttt tttttgagac ggagtctcat
177061 tctgtcaccc aggctggagt gtgcagtggc gcaatctcg ctcactgcaa tctctgcctc
177121 ctgggttcaa gcagttctcc tgctctcagcc tcccaagtag ctggactac gggcgcacac
177181 tgccaaagccc ggctaatttt tttgtattt tagtgatgc gggtttccac ttgttaccc
177241 aggctagtca cgaactccctg agctcaggca atctgcccgc ctccgcctcc caaagtgt
177301 ggattacagg cgtgagccac cgcacccagc ccattccctac ttcttctact tcattccatc
177361 aacagaatca gagaatctc tctgaaaatg gaaatagagg tctccctgaa atataatgcc
177421 catgagattt ctcataatc gcaataaaaa atgagctata aaaaaagcac gatgtattca
177481 ttccctttag atctgctgcc taactctcat tagggggcct gagctctgtt aggtctgt
177541 tcagtgtgc tgcaatggc ctgcaggcag tgaggcagtt tcaatgtggc ttgattacaa
177601 ggtgtgaaga tggatgttg gcaactctc aggggcctg aaggcatca cattttaaaa
177661 tcactcaccc gatgtttact ccatggtgca gcatattaag tggataatg agagaaggaa
177721 gtgactggaa acaagaaatc ctacaaaaac caggttataa gtggctaaagg catgagggt
177781 caacactgag agaagggtga taaaagttagg gaccaaaaaa aaagatttt agtcttaaga
177841 aactcaggaa gaatatggca acaaactagt cacattggtt aaaactcaaa gaagcttgg
177901 gatcacccaa gatgacagaa tttagtagga gaccaaaaagg gttactgca ggttaattacc
177961 gcaagaccac aatcacaagc tcagccttga catgtttaat tttaggtaaa atccaggt
178021 ccagctgaaa acattctatg ggtatgtgggaa aatcatatgt atgacagagc aattcttaaga
178081 ggttcagagc atcaaccaggc tcacaactta gttgctttaa gagttttcac tcatcaggaa
178141 tgacatgtct ttatgttgag caagaaaaac atgaagttagg ccaagaaaaga tttggaaatgc

FIGURE 1 (continued)

FIGURE 1 (continued)

181441 atcagaaaata ttttttaaag gaaatcta at gttaggggaa agtttggaaa aaatggtac
181501 aaggctctt tgcaatgcta agcagtcagc attttataaa ctttcatgaa gatacaccag
181561 ctatgaagta ggacacatgg taatctgcaa aacaccccg atttcatttt taaattgaaa
181621 ttatTTtaat aatctacaac tatgatTTTT tctaaatctt ggggcaagca aagagaaggc
181681 acagaaaagaa aaaaattata agttgcactt aacaacatTT taaaatgttG cttaatcaaa
181741 accaccactg tgaaaatgaa caaaccacca actgagagaa aatgatcata acacacaaat
181801 ctgacagagg acttgcattcc agaataatgta aggaactcct acaactcgat aataaaaata
181861 atcaaataga caataataat taatcaaataG acaatcaa at tctataaaga ctgcacaga
181921 tacttcataa aagctatgtg catgacaaat aagaacatga aaacccctc aacatcatta
181981 gtcactgggg aaatgcaatt aaaccacaaat gagacactac tacacagccca ctgcacatggc
182041 ccagatgaaa aaaaactgtga acaccaatg ttggaaaatgt gtgaaacaac agggactc
182101 ttacattgtt tgcaggacta tacaaggta caaccactt gaaaaacagg ccatgtctt
182161 tttttttttt ttttttttga gacggagtct cgcctgttgc ccaggctgga gtgcagtggc
182221 gcaatcctgg ctcccggcaa cctctgcctc ccgggttcaa gegattctcc tgcctcagcc
182281 tcctgagtag ctgagattac aggcatgcac caccatgcct ggcttaatTT tggatTTT
182341 gtagagacag ggtttcacca tggggccag gatggctca atctcttgac ctgtgatcc
182401 acccaccttgc cccctccaaag tgctgggatt acagggttga gccaccacgc caaaacaggc
182461 catttcttaa aaagttaaat gtttgcatttgcatgatcc aaaaattcaa ctccatgaa
182521 tttatcaaaa agaaataaa atatataact aaagccttgc acacaaatgt tcatggcagc
182581 taaaaactga aaacagccca gatgtccatc aatagagttt gataaactat ggtgagcacc
182641 tgccacagct gggacaatca gagtttttgc ccttgagctc catcttctgg ttaggttt
182701 tcaaagttag gggagagtttac aggacagaag gagagagagc ttagggatt ttttccctt
182761 cccctaattgc ttttgcattca cagttggc agtgcatttgc ccctgagatg tgctgagtt
182821 tcttagattc aactgcattat tcatgctcaa agactaacag aggacacact tagagccact
182881 ctactcagaa ggttataaga cagggaaacac agcaggccag tatcaggat tcccttcaa
182941 tgggagtgtt tgctacagtc catgcacaaa caatataatgtt ataaagagca aacagctat
183001 aagctgactg tctttaatc ctcataatcct acaggagccca ttatctcttgc aatggcccc
183061 ataggcacac cgagtccaaag gacccagcaa gaaacgtgcc cagccacaag aatcactgca
183121 gtcagagatg gccaaataac agcttctcca tcaggtctt ataattctcc caatccaggg
183181 atcatTTtaa gcataagcaa agtcgcctcc taacatattc agcatgcacca cttttctc
183241 attgccaagg aaacagatTTt agggaaactaa ttaccgcattc agcgctcagc ctgagggggc
183301 tggggttggc taaccctttg cccatgttgc ctattattac aacttcagat ggcgcattt
183361 tctcccacaa ttccagtttgc tgcgcatttgc ccacacactt ttcttcccc catccacgg
183421 ggctagtctc tcgggttccc aacatccact gttagcttgc taaaatctat ataaatagtc
183481 ctttcatata attatcttcg aaatccaatgc tagtatttgc ttctgttttgc tgcataaaaac
183541 tctaacatag atatatacat agatagatag atagatatag atacagat atagatacac
183601 acacacacat atatatacac acacacaaat atatattat atacatataat gtgtgtgtac
183661 atatataatgt gtgtatataat atatagtctg tgcgtata gagaataga ctggaaaggaa
183721 attaacaat attaacttg gcaaaaatcc tgcatttttgc atcttatttt tcttatttt
183781 ttgttagttcc tgaatttgc tcaataaaaca tggatTTcaat ttcataagca gacaaacctt
183841 tttttttttt tttgagacac ggttttgc tgcgcatttgc ccacacactt ttcttcccc
183901 ccacatctca ctgcagactc gaccccccag gctcaagcga tccctccacc tcagcctc
183961 aagttcaagt ggctggact acagggtgcac accacccgc ctggctgatt tttttgtat
184021 gaagaagaaa tgggttgcac tatgttgcac gggctgattt tgaactctgc ggctcaaggg
184081 atcctcccgcc ctcagccctc caaagtgcgtg ggattacaga tgcgcatttgc tgatTTT
184141 ttttaataa actttctgc caaagccatt tttgttgc tgcataatgc tgcatttgc
184201 tacctaagag gtatacaccg gaagggttgc ttcgcatttgc caatccatgc agctgtgc
184261 ttttggggaa gtcacccctt cttctgggt ctcagttact tgcgcatttgc ttatTTT
184321 ttctaatagc ttatgttgc tcaatgc ttttttttttgc tgcgcatttgc
184381 ttcttcagtc atggccctccg atggcataac catatgttgc aaatatttgc
184441 atgatgaaag cagaggccaa gagggggca gaaaaggttgc cactgtgc tgcgcatttgc
184501 tgcccgatgc caaaaatgc tgcgcatttgc ggaaagatttgc ttttttgc
184561 aaccaggactt atctgttgc tgcgcatttgc ggaaatatgc tgatTTT
184621 attaataatgc attatctgc caacatataca tttctgttgc tgcgcatttgc
184621 attaataatgc attatctgc caacatataca tttctgttgc tgcgcatttgc

FIGURE 1 (continued)

184681 cttcatggag aattcaataa aagctctcct ccatatgcc aagaagaga actgtccctg
184741 aggccaagat caatagatac ttgttgattt gactaattgg ttgccaagag attctgagtt
184801 tataccttaga aaaattatct gtgtgtttga cttagccaaa agggatctt gaagcaaaat
184861 aaactcattt tcaaaaaatca aaaacagcaa attaccgca gcttcgtaag ttatctgata
184921 tgc当地 aatggatcg tttatcacc ttggaaataat gccataaaaat gaaggaaacc ttgactacat cagaagctt
185041 agatggatcg tttatcacc ttggaaataat gccataaaaat gaaggaaacc ttgactacat cagaagctt
185101 ttttgc当地 ttttgc当地 ttttgc当地 ttttgc当地 ttttgc当地 ttttgc当地
185161 acagaggaaa gcaaaagaaa ataaaacttca cagtaatctg taaaatggag gtggcaaggg
185221 cagtttccca gatTTTactg gagatctaag agattggcac tggaggtaaa gagctctgaa
185281 gt当地acttctt gtttgc当地 cttttttccca aatgc当地tgc当地 ctttgc当地tgc当地 ctttgc当地tgc当地
185341 tggaaatgag cagatggtca ataaatggtca ataaatggtca ataaatggtca ataaatggtca
185401 tc当地aaatc ctggcccttca ccaacacaca ccttaatgtaca tttgggggtca agtagagtcc
185461 atggcccttca ctggaaactat acaaatccct ggacccaaata ataaaacatc tttcagaatt
185521 acatgtcaaa caatggtctg tatttgc当地 ttttgc当地 ttttgc当地 ttttgc当地
185581 caaaaaaaaaa ttaatttttgc当地 ttttgc当地 ttttgc当地 ttttgc当地
185641 caatacaaaac tacaattttc ctcaatcaaa ttttttgc当地 ttttgc当地 ttttgc当地
185641 caatacaaaac tacaattttc ctcaatcaaa ttttttgc当地 ttttgc当地 ttttgc当地

FIGURE 2

1.mglaawglgvl flmhvcgtnr ipesggdnsv fdifeltgaa rkgsgrrlvk gpdppspaf
61 iedanlippv pddkfqdlvd avraekgfll laslrqmkkt rgtllalerk dhsgqvfsvv
121 sngkagtldl sltvqgkqhv vsveeallat gqwkositlfv qedraqlyid cekmenaeld
181 vpiqsvftrd lasiarlria kggvndnfqq vlqnrvfvfg ttpedilrnk gcssstsvll
241 tldnnvvngs spairstnyig hktkdlqaic giscdelssm vlelrglirti vttlqdsirk
301 vteenkelan elrrpplcyh nvgqyrnnee wtvdsctech cqnsvtickk vscpimpcsn
361 atvpdgeccp rcwpsdsadd gwspwsewts cstscgngiq qrgrscdsln nrcegssvqt
421 rtchiqecdk rfkqdggwsh wspwsscsvt cgdgvitrir lcnspspamn gkpcegeare
481 tkackkdacp ingwgwpwsp wdicsvtcg gvqkrsrlcn npapqfqgkdv cvgdvterq
541 cnkqdcpidg clsnpcfagv kctsydpdgsw kcgacppgys gngiqctdvd eckevpdac
601'nhngehrcen tdpyncipc pprftgsqpf gggvehatan kqvckprnpe tdgthdenkn
661, akcnylghcen dpmryrcecko qyaqraicq edtdldgwor enlvcvanat yhckkdnn
721 lpnsgqedyd kdgiqdacdd dddnakipdd rdncpfnhypa aqyaydrodv garcanpyn
781 hnpdqadtdn ngegdacaad idqdgilner dncqyvvnvd qrdtdmdqvg dqcdncple
841 npdqldsdsd rigdtdcnnq didedghqnn ldncpyvpna nqadhdkgk gdacdhdnn
901 dgipddkdnc rlvpnlpdqkd sdgdgrgdac kddfdhdsvp diddicpenv disetdfrrf
961 qmipldpkgt sqndpnwvvr hqgkelvqtv ncdpqlavgy defnavdfsg tffinterdd
1021 dyagfvfgq sssrfyvwmw kqvtqsywtd nptraaggysg lsvkvvnstt gpgehlrnal
1081 whtgntpqqv rtlwhdprhi gwkdftayrw rlshrpktgf irvvmyegkk imadsgpiyd
1141 ktyaggrlgl fvfsqemvff sdlkyecrdp

FIGURE 3

FIGURE 3 (continued)

3301 ctagacgcac gccttctgtc ctggaccaggaaatggtag cattgaccac gaatgttcg
3361 tattacactt tctttccat ttcataatatttcaacaaa acagttttaa atgaaaagca
3421 ttccgttaaac attgttcaagt tttccaggatcttaagctt cagaggatccacaaaatc
3481 atcttcagag aagtttatgg tgcttgcataa gctgagaaaaa caagagtcct taagaaaagc
3541 tctgattaaa cattgttagag cattgttattt cctgccttgcatttgcataa gatggatgg
3601 ttttggttttt aaacaacacc tcatcttgcataa gatgacttcg ctggaaacctt agcattttt
3661 tttttttca gaatatttcc actgtgtata ttaaatttgcataa taaacattca gaagaaggag
3721 cacaatccatc acccaggaga gtcgttgcataa gatgttaagt aggagagagg agatgttacc
3781 aataactgaaa atacactaaa attctgtatgcataa gatgtaccaga ttcataatccca tgcaagcctc
3841 ttaggaacac tcaaactgtt gaaaataaaa tggaaaaaaag cgattacaca ctggcaccag
3901 catcataatttgcataa ttaatgcataa attacatggc ctggatccataa ttaactaatgt ttcttctt
3961 tgacatatgtt ccactgtatgcataa agggaaagttt tttttgggtt gcaaaagtggc tttcagaatt
4021 tggacgctctt gaaaagataac aaacaggcaatcatttttgcataa tttctgtctca caagtaaatt
4081 tctggcagttt tttgacaggtt cattaaacaca catgaaatgcataa acatgttgcataa gggttgttag
4141 atgctttccatc taaaggatgcataa aaacattttt taaaataaagttt tccttgcataa ttttttt
4201 cacattctca actctgtatgcataa tcaaatgcac ttcacaaacc gacacgtatc aacatttgcataa
4261 aacccaaatttgcataa ggaaaacctt caccgtatgcataa gacttgcactt ttagagaattt ttcacaaagcat
4321 tcttgagaca agcaaataatgcataa ggctgtatgcataa aagattactg agaataatgcataa ttacttaaga
4381 gaaaatattca tggatgttagt atatgcacaa gcaatgttgcataa acatgttgcataa tttgtgttag
4441 ttaggtcctt tttgtatgcataa actgtatgcataa ttttagaaactt ttttagaaactt ttttagaaactt
4501 ttggtttctt tttgtatgcataa tttttttttt tttttttttt tttttttttt tttttttttt
4561 caagctctttt tttgtatgcataa tttttttttt tttttttttt tttttttttt tttttttttt
4621 gtccatccatc taaacccatc tttttttttt tttttttttt tttttttttt tttttttttt
4681 ctatatgcataa ataatgttgcataa tggatgttagt atatgttgcataa tttttttttt tttttttttt
4741 catgtgtatc tttgtatgcataa tttttttttt tttttttttt tttttttttt tttttttttt
4801 tggatgttagt ataatgttgcataa tttttttttt tttttttttt tttttttttt tttttttttt
4861 atccacccctgtt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
4921 aatattctata gcaatctttt aactgtatgcataa tttttttttt tttttttttt tttttttttt
4981 ccacagaaat tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5041 ttcaggccgc ggcgtatgcataa tttttttttt tttttttttt tttttttttt tttttttttt
5101 gtggatcacc tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5161 ctactaaata tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5221 taatccatc tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5281 gcagtgcgc gggatgtatgcataa tttttttttt tttttttttt tttttttttt tttttttttt
5341 caacaacaac aacaacacataa tttttttttt tttttttttt tttttttttt tttttttttt
5401 acttcgttgcataa tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5461 tcttgcacac cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5521 tcccccttcac tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5581 tcccccttcac tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5641 tataatgttgcataa tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5701 cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5761 atatctccatc tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5821 cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5881 taatccatc tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
5941 agatgtatgcataa tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
6001 taatccatc tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
6061 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
6121 gttatctgtt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
6181 attatttaggg tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
6241 aagctctgtt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
6301 gtgtttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
6361 gaaagaagac aataggatgtt tttttttttt tttttttttt tttttttttt tttttttttt

FIGURE 3 (continued)

4621 agccaaggaa ggattcccaa tcgggggaaa aaattacatc aaagctaaga tctggcttc
6481 ctggaaagaa tgcctggat tggagagtt cgaggagaca aggacggaa tggagatccc
6541 tggaggtta ttatgatact tgcagaaaa gactatgacg cctatgactg ttgatgatt
6601 caggagattc tggagccag aactgattgc actttgattg tttctatgt gggtaattta
6661 aagggtctaa gaataacagt tgggttagag gttaaagcaca tgaactctga agcttagattg
6721 tctgagttt aatccagtt ccattagtaa gttatgtac cttggcaaa ttacttaacc
6781 tcactgtgcc ttggttccct catctaaaaa gtgggtgata ataataatgt tagtaccc
6841 gatttggat gaggattaaa caagttaaaca tgcataaaac atttcaaaaca ttgcctgcat
6901 gtcggttac ttacaaactg aaaaagaggt aagttccat gcttctggct tgagcaatgg
6961 agcgatacag gtgacattt aatccagttt ccattagtaa gttatgtac cttggcaaa
7021 actgaagatc acagtttagc cttagataca ggctttagat tgctcagacc tcttggacat
7081 ctctcttgg gcaggagtct gatctcagaa gagatccctg ggctggagat gtcacatctgt
7141 aagacttcca aatacaggca acatggaa cccaggatt gggaaaggca gcaaggaaaga
7201 gtgtgttagag tgagcaaagt gtgaatacag ggc当地agac tgaccatgg agttccgaaa
7261 gccaagtggg gaatgagggg ccaactactg gtttatgtgc agtgctgtt tgccatgca
7321 ttagacaagt gggaaatagaa acatctggta taatttgaat ataaggaaata ttcaaaacaaa
7381 ggacatcctt gtatttctat ttaatggag cttaaaactc taatttctg tttagccctg
7441 ttacattgat tttatggctt ctcctatccc tcattggat cttctgatcca aagattttaaa
7501 agaaagtctg gagaatttgg agatatgag agtttcatgg ctggatcttc aatggcgaag
7561 acagaagggt gggcataaac tagaaccagg tgatgaaatg tttataagc tgcacatagga
7621 gtttaaactt gataacagta aggagccatt caaagtgtt agcaacagtg aagcacgatt
7681 atttcgtatt tgagaaagat ctttggtaa caaggttagaa aatgcattga aaaggagca
7741 atccagaagc tgagaggcca atggtgcatc tgtaacagta acccaggaaa gaaaaggca
7801 cacaaggca aagaaaaagac aaaccaggac tggggggag gccaacgggtt ccaatttaag
7861 taatgaccac agcaagaaaac agacaggatg aggtgattga ctatgttagag aaggttaagag
7921 agaggatgac gccatggcct ctgctttgt tcaagactatt ctgtccctt aaaatattac
7981 attttcctt atccatcctt atgctccatg cagcaccctc aatgtcttct gttagggataa
8041 cccttaattt ttcaaatatg ttctcatcct gtctccatgt gaatgcacatc agtcattaaat
8101 tagctcaagt gggaaataaa gatgcacattt acttcatatg cactctaggt cccaggccctg
8161 ggtagaaaaaa aaaatctatt acctaaacca cagaagctaa aatccctccac aaagaagaaaa
8221 ataccccagt gattgatttgc gtcctccat cacctggctt aactaagtat agaagtattt
8281 atatgctaga ccctatttt taaaataatt tagctcatca ttgtgacaga aagcccatgt
8341 ttcaaacaggc aatatttttgc taataaattttaa gaaatccctt aacaaacccctt gttaaaccccc
8401 atgtggattt ccttccatgg ggaagatttgc ccagtgcactt agcttaacac tgcgtgc
8461 cattaaatttgc ttccatggc atacataaaat aaataaagtgg ctgcctccctt gatgtgagct
8521 ggaggaccca ggggaaggca tttttccatc taggtatctt cccagactt cttatgtct
8581 ttataatttcatccatc attttttctt tctctctt cccaatttctt ttcttccat
8641 tctctcttgc acctatttgc atcagacttgc tgccccacc atccatcaa aactgttct
8701 caaggtcacc aatgacccatc attttgcataa atccatggt caggcatcag tccatcttgc
8761 acatgatcca tcaatttgc tcaatgcacccatc atccatggt caggcatcag tccatcttgc
8821 ttcatttggc atcaagaata acacatttttgc tccatggat tccatggat tgggtttag
8881 cttcccttgc tgggttcttgc catggatcttgc tagtggat tccatggat tgggtttag
8941 ctatgttgc tctctataac ttaaaccctt gatgcgttca tccctgttca tgggtttag
9001 taacacccatc accctaaacaatc ctcttgcatttgc agtacccatc ggttccagc cttacttgc
9061 atctccactt ggatgttcaatc tagacatctc aaactcaatg tgcataatg ggaacttgc
9121 atctcccttgc aaaaactgtt ctactcatc atccatggt caggcatcag tccatcttgc
9181 ttaagccatc gtcatgcataa aatccatgttgc agtcatctt ctctcttgc tccatcttgc
9241 acatctaattc ttgttgcatttgc tcaatgcacccatc atccatggat tccatcttgc
9301 ttccacttgc accatcttgc tccatggat tccatggat tgggtttag
9361 agcttcttgc cttccatgcataa aatccatggat tccatcttgc tccatcttgc
9421 tcttaaaaatg taatcgttgc catcacttgc ttaactcaaaa actgcaatgtg cacagggttgc
9481 aagccaaagc cttaaaaatg cttcaatgttgc cttacccatc ggttccagc tccatcttgc

FIGURE 3 (continued)

9541 cAACCTCATC TCGTGGTCTC CCCTGCTCAC TCTGTCCTG ACCACTGGCC TCTTGTGT
9601 TTCTGAGACA TGCCAGACAA GCTCTATGTC TGCCCTCTGC CTTGAATGCT GTCGGATACT
9661 AGAGGCCAGC CCCACCCCTC TTTCATGGCT TTGTTCAAAT GCCATCTCC CAATGCCACT
9721 TATCCTGCCA TATTCATAC TGTCACTTGC CCCAGCCCCA GTGGTCCCGAG CCTCCTTGC
9781 CTGCTTTACT TTTTCTTT TCCATAGCAC ATATCACTTC CTATTATGTC ATGCAATCTG
9841 CTTATTATTAGGTTCACTA TCAACTGTCA TCTCTGCTGG AGTGTAAAGAA TCACAAAGGC
9901 AGAGGTCTTGTTCAGTGTATC CTGATGTACCTGAACACCA AGAACAGTGC CTGGAACATA
9961 GGAGGCACTC AGTAGATGCT TATTGAATTAATGTTAGG CTTCAATCAC AAGGGCCCT
10021 AGTATAAGGC AAATATTATTGGACAGGTGA TACATTCAGC TTCAGGTTTC CAATCTGAGC
10081 CATTAAACATA TCTTACAAGT TTGAACGAAC TACAAATGAG ATGTCCTTGA TCCATTCTC
10141 TTCTAGCTCA CTCCCTCAAC ACATTTCTA TCCCAGTGCT CTGGTCCTCT CCTCAAGGACA
10201 GGGATGGAT ACAGTCATAA GTGTCTGTT AGGGTTTATC CTCCCTAGAG TAATTGGTC
10261 CTCTTCTCC TTATCCCCAT GAAATCTGAA CTGTGATCCA ATTCTCAAG ACCTAAAC
10321 TAAAAAAAT GAGAACTAGT GACCCATT TAAGAAATAT TGCAAGATTG AAATTAAGCC
10381 AATGCTGCTG TTAAACCAGA TTAGTCAT TGACATCTAG AGGAAATACA AACGATTGCC
10441 AGAACTTTAT AGCAAGAGAG AAGGATAACGG TATAGTGGGA AACCCAAGCA AAGGGCTGG
10501 TTGGGAGCTC TATGTTACTA GAGGCTAACAA TGAATGTCCTC AGAGGAGCAG AAAAGAGGG
10561 CACAAATGGA AGGAACAGAT CATGGGGCAC ACACCTATT TTTGCCAAAG TGGAACAACT
10621 GGGCTAATTC ACCAAAGGTT TTGTTGAGCCC CCCATCGTGC TGCTGGCACC TAGGATAGCC
10681 GGGTGGAGGC TTCTCCAACA ATTCTAAGAA ATACCCATGG AATGAGAAAT GCCCAGGCAG
10741 ATATGTGGCA AGCGCTATCT CCCCTGGAGC TCTTCTGGAG ACCCTGGGCC ACTTCCACAA
10801 TGCTTCTAC ACTGAGAACAA CTCTACACTC TCACCTACAA CTGAGAACAC TCATTAGGAT
10861 CAACACTGAG AACACTCATT AGGATCAACT AGAGGCAGGT TGAGTTTTA TTTCACTAAG
10921 TACCCAAGCT CTTGTCATA ATTATCCTC AAAAAGCTAA TTTCTTCCC AGCACTGAAT
10981 TATCCTTGGT CAAAAAGAAA TCAACATGAT AAATACCAGG CACATAGTGG GCATTGACA
11041 TCTTCTTCC CATGCTCTC GTTTCTCTC AGTACCCACC CTCCCAACCT CTTGAGAT
11101 GACTATTTTC CATATTGCT TCTTCTATGG CATATCTGTA TTGCTTCGTA TTTGGCCCC
11161 GATGTCAGAT TGGCTTGCAT TACTCCAGGC TGAATCATT GATTTCTGT CCATTTCTC
11221 AACCTTCCA GATCCTCTG TATCATTCT CAGTCATTCC CGCTGTTAC AATACTCTC
11281 AATTAAAGC CATCTGCAAA TCTCATTAAAC AAACCACTGA CTCTTCTCC CTCACGATCA
11341 TAGGACATGT TGAATGAAAC AAGACCTGAC AGCAATCTC TCCCTCTCAT TTGAGGCACC
11401 ATTCTCTGG GTTACTTTAA CTTATTATCA TTTTTATATT ATATTGTTAT TGCACTGTA
11461 CTCCCAAGCT AGGCATATCT AATATGTGAA AATCGGGATT CATCATTCTT TGAATTAAAG
11521 TTATTCAACAG GCTGGGCGCG GTGGCTCATG CCTGTAATCC CAGAACTTTG GGAGGCCAG
11581 GAGGGTGGGT CATTGAGGC CAGGAGTTCC AGACCAGCTT GGCAACATG GTGAAACCCCC
11641 ATCTTACTA AAAATACAAA AAGTAGCCAG GTGTTGTTGC CCACGCCCTGT GGTCCCAGCT
11701 ACTCAGGAGG CTGAGGCACG AGAATCGTT GAACCCGGCT GGTGGAGGTT ACAGTGAGCT
11761 GAGATTTGC CGTTGCACTC TAGCCTGGGT GACAGAGCAA GACCCGTCT CAAAAAA
11821 AAAAAAAAGAAAGTTTCA CCCTACAAAA ACTTAATTAT ATTAAATCCT TTACTAGTGA
11881 CTTTCTCTAG TATACTTTAA ATACTTTGCT TACAAAGTAA TAATTACCA ACTTCTCAAG
11941 GCTGGTTACA GCCTGAAATA TAGGTTTTA ATACCCCTTA GCTACATCTG TCTGTAAGAA
12001 ATTTCCTCT AGTAGAGTT TTGAATAAGA TTCAAAATTCT TTCAACATCAA TATTAGTAAG
12061 CATCTGAGGA ACACACCAGT TTCTCACTG GCGATTCTT GGTCTTGGC TTCAACTTT
12121 CTCACCCCTT TTCCGTATAT GCTCAAAATA TTCCAAATC TCACATTCT TTCTCCTTA
12181 AAACCTTTG TGTCCCTCT ATGTGCCAAG CACTGTGCTC AGTGCTGGGG TACAATAAAAG
12241 AAAAGAGTCT CCATTCTCTG GAGCTGTTAA TCCAAGAAAA AACTAAAGGG AGTAGTACT
12301 TTTGAGTACCTTGCCATATTCTGGACCTGCA ATGTTATAA TCCCTTTAC ACCCCACAGA
12361 AACCCCATCT AATAGCTGAG AAAACAGGGAG TTCAAGAGAAG TTAATTAAATT TGCTGTGAT
12421 GCAGAAATACA AATAGACAAAT TTACAGAGAA AATACAAATG GACGATAGAC ATATGGAAAA
12481 AATACTCAAC CATGCAGTTA TTAAGTAACG GTTTTATTAA GTAAATAAAA TGCTACTTT
12541 TTACCTATCA AGGTGGTAAAGAGAAAAATA ATACTCTACG CTGGTGGGGT TGCACTAATA
12601 CAGGCTCTCT TGCACTAGGGC TGCAAGGGAC ATAAAGGGC AAAACCTCC TGAAGAAACTG

FIGURE 3 (continued)

12661 tataatatgt aacaaggacc attataagag gaactcacct tagtgtccat cgcaaggaa
12721 tggaaataat gatgttacat ccatccaatg aaattgtaca tagccactaa aaatcatata
12781 gaatatgtaa tgaccttagaa agatttacca aatattaaat gaaaaaggca tattacagaa
12841 tagtagatac tactggatga caatatatac aggattgtgt gtatgtgggt gtggagaaaa
12901 taaaagactg gaagaatgga taatatgtta acaggggtta ttcataaaaag atacgacaga
12961 gttcttcta ttggtatctt ctacattca attatttaaa aaacccaaac ataaaaatgt
13021 tcatacattc agatcttagt atgcaactgt attgcaataa acagcaatgc agactaagag
13081 tcaagtaact tgctcagaac caccatcggtt gtatattact ttaagtctcg ctttctaagt
13141 ctgaaatcca ttttcttctt acaacctact cattcagctc cataacccca attatatcct
13201 aactagagta atcccttgc gaccccttcta gtttcttaggc ttttattcac gagattaatt
13261 ttcgcacca aaatggttt ctgttctaaa atctctaagc tggcactctt tctgcgataa
13321 gcaactctt ctttctcaa agccccttg ctggcagggtc atcccgattt tcatcatctg
13381 cttttgttctt gtggaaatctg atgagggtttt acgaggtctt cagcatctt caacagcaaa
13441 cattggattt tgggtttgaa caattttttt tggtgagcag ggcttggta gccctagcca
13501 gcttaaatgc cttcaaggct tcactgtgac aacagaactg ccaccacaca tttccaaaca
13561 catcccaagg gtggccaatt gagaaccacc ctatgatcggtt ccacagctaa ccctctgacc
13621 tcatacttttctt ctactccctg gctttctggc tccattccag ccacactggg ctccctgt
13681 cccttctcat aagcccaaa aagcaggat ttgggtgggg ggatgggggtt ggagggggtt
13741 tccttctatc tgcataccca gttcctgtat tcaattccctt ctttaagca cttgatttt
13801 ttttgcattttttt gattcagctt ccccaactgtt aatgaacta accaatgaaa
13861 ctaatcactg atccacatg ttcccaagct gtgcactttt accgcaggat cttccaaggt
13921 ctgaaactgaa aactgcgtct gcatttcctt ttaccttcta tggtttgggaa aggtatctct
13981 aaactatctc ttccaggacag aagagaaaaaa ctacatggat gcaaatcagt catactgcatt
14041 ttaaattatgt tgcatactctc tggttattgtt agttccttgc gggcagttt tgcataccct
14101 tctttatatt ctccccaaat aaatgagtgc ctggaaatca taggtactca agacccac
14161 agcagccctcc tccctgagag attaggtggc ttggaaatgtga ttagacacgt gggcatctcc
14221 aggcttccac acagcagtca ttactgagtg acagatgtca atccctggcat gaatgtgatt
14281 tgcaaggctc caaaacggag attggattaa atttgctttaa atttccattt ggctgtgt
14341 gtgtgttatt ttttcccttc tttttggctt ttttctttt aatttctaca tctgttataat
14401 acactccccca ccgttttcta aaccatttttgcagcagtca accctgtgaa ttggatgtca
14461 tatgcaatac aaaatgtaaa tcatgttcat tagatgaaaa acgcaatttc cccctctatg
14521 gagaaaaactg ggacaacaca tatcagaagg ggcacaatata gacagtcttca aataaagtc
14581 gtgtgttcc tgcattttaaa gctgaaatct gtttggctt aattgtgata tttgcaaaatg
14641 gtcatactttt cttctacattt gaaagatttc ttagctactt caaaatgtga attcgtgagc
14701 ggactacattt ctccaaacta ggatctgggg aaccaatctt aattgttattt atacatgtca
14761 aagttccccctt gtctttccat ctcacgcataa acgcaggata aatataatag tttcttcc
14821 acttggaaaaa gcacaagttt tggagcccttgc agttggctgc actggaaattt agaaatgtct
14881 ttgatgagggc acagctgtct tcatttttgcataccaaatg tctaaagcat tccaggagggc
14941 tgactcatat acctggagag ggaccatggt ttctcattttt ttctccttgc gcccctgact
15001 ggtcaggaag agaccagttt ctcccttgc ttcacagcttgc gaaacttactt acaggatgt
15061 cttaagtaag ataaaacctg acatttcttgc accaccattt gcttttcttgc ttcatttacatt
15121 tgtctcaaac ataatgtgca gcacttagtgc atctttcttgc tatggagact cactgaagac
15181 aagatccccaa catggaaaaaa cttaagagttt ttctcatttgcataccaaatg tagctgttat
15241 ggaaagagag caccttgcgtgt tgtagcttgc cgtccacttgc agaggatgtc tatggacatc
15301 caggagtttgc tgtagtttttttgc agatgttgc acagcggaaatgtcaaaatcttgc
15361 ttaagaacca acatttttgcataccaaatg ttcacatgttgc gcaatgggttgc gactcttgc
15421 agttgtctttt ctcacacatataa ttccattttt ccacacacgc aactcttgc ttcacatgttgc
15481 ttgcagcaag caagtgtatca ttacttcacca cttcaatccca cccaaaggctt ttcacatgttgc
15541 accccaaatgtc tgcataccaaatg ttcacatgttgc gcaatgggttgc gactcttgc
15601 tgcataccaaatg ttcacatgttgc gcaatgggttgc gactcttgc
15661 cctatgcattt ttcacatgttgc gcaatgggttgc gactcttgc
15721 caccatttgc ttcacatgttgc gcaatgggttgc gactcttgc

FIGURE 3 (continued)

15781 ctagaaccat atactttgtc ccataaacga agcagtaaaa aaacctgaat atcttccctc
15841 caactaaaat tacatttattt ttctcagttt aatcttccat tcaattacaa tggactatca
15901 ctatactatc tgggtgagca aaaggtataa tttacaagaa acttacagag ctgaaggat
15961 gagagaacta taaccctgca aagttgtgtg agcatctgag gtcctacaca aaccagtggc
16021 ctagagaaca ggcctctaac ctcccttagc ctggagtggc cagagcacaa gtggtctcaa
16081 cacataacag aaagaatgga cattttctgg ccaggcacgg tggctcacgc ctgtaatccc
16141 agcaactctgg gagaccgaga cgggtggatc acctgaggtc aggagttcaa gaccagcctg
16201 gccaacatgg taaaaccccg tctctactta aaaaaaaaaa aaaaaatacc aaaaaaaaaa
16261 aaaaaaaaaatt tagccggta aggtggcagg tgcctgtaat cccagctact tgggaggcta
16321 aggcaaggaga attgcttggaa cccaggtggc gaaggttgc gtgagccgag ttcacaccat
16381 tgcactccag cctgggtgat aagagcaaaa ctctgtctca aaaaaaaaaa aaaagaatgg
16441 acattttta aaaacccact atgtctatag ctcagtcaca gccctgaaca accacattca
16501 accagcaaaa aattcttcgc gatgaaaaga tttacctcaa agaataaata acattaaatc
16561 gagaattcat aagcagtcag gagatttgag atttttattt agaaaaatagc tattttgaca
16621 ttatatccag tttctcattt atcagaataa attcttaca atattgatca ccatcaccac
16681 ttttagtgtat ttgtacatag tctctgagta aaatatattc acactcggca aggctagaat
16741 attgaaatta tggccaacat tgcttacttt aagattgtt actttataaa gaagctagag
16801 tagttgtgca actagaacag atgttttaa aatgtttgcc attcaaagat aggcttggtg
16861 ggacaaaact aatatgcata ctacatacat atatttcttg tcttcttac tgtcaatctt
16921 tcagaacagt aacatgacat tacaacaccc tcaaattccc acttcaaaaat gaacagaaaa
16981 atggaaaaac attatttccc atttcataaa attaaaaatc aagtccagaag agaagtaaaa
17041 ctcattttta tgcatttaac ttaaaagctt gaatacacga ctcctccat agagaaggaa
17101 gccagaactt cagaagtagc cagttgtcca aagaataaaat ggccccatga cttctctat
17161 ggttcatgac ttactgaggg ctgatgcaaa ctctggcaag ttattttca tgatttccaa
17221 ggatctggga tatgtaaacg aaatgattaa aagacatttc tctgaatttg caagaagacg
17281 actgaagaat cagaacaaag atccaacggc cttcacgtg gctacatgtt caccattaca
17341 ccacaactca aaacccacag gcgagcttc tctcaaatac acattcaaaa tgggttcca
17401 aataatccaa ttgtatacat tgcaagaca cacaaaatgc ctccttacac acgattagta
17461 atctggttt agactctgaa gtgataccat acatatttgc ctaaccctct caaaattgca
17521 ggcctagtga ggtttaaatg ttttaggata tagaatctgc tttagaatttta gtaaaaacta
17581 tgaaccgtag actgtcttcg gtaatgaaca aaactggaaa atataaaact tccttgctt
17641 tgtcaactgag caactataag cttttatga tttatgtatc atactagctt gtatgtgact
17701 ttagtgtcat aaacacccat tgccttttg gcacttttaa agtacagcca gaaaaggtt
17761 gggaaaattgt tctggaaata caagttgggtt ccctctgtct catggatgt taggaactgg
17821 gtagtctgct gaaaccacca gttcagcaga cccttgtaca gctgttccc gccaactggg
17881 atccctaagga aacaggctgg aagagccagg ggcctccctc acaaattgcct aaataaccaa
17941 catactatg ccgacagcca tccctctctc aatgccatgg tccaaggagg tcttgacctg
18001 tctcttccca ttttactacc actggctaga ggggcaccca acaacaagaa acctttgtaa
18061 tgagttatgaa ctggaaaaa cactgttaggg cagcatttcc tttagtgtat ctctcagaac
18121 ataaatccca caagataacct actttaaaaa aaatctggcc ggggacagtg gctcataacct
18181 ataaattccag cactgtggga gggtgaggcg ggcagaatca cctgaggtca ggagttcaaa
18241 atcagcctgg tcaacatggt gaaaccccat ctctactaaa aatacaaaaaa ttagctggc
18301 gtgggtggcag gtgcctgtaa tcccagtaaa ttgggaggct gaggcaggag aatcgctga
18361 acctgggagg cgagggttgt agtgagccga gatcggtgcca ctgcactcca gcctgggtga
18421 caagaccaag actccgtctc aagaaaaacaa aaacaagaaa tccatattaa aataaatttag
18481 gggaaatgtatg tataaaatag aggtgttttct tggagatattt aatgcacat tagcgtatca
18541 aaggctgaa aggccaaacag taactcaact ttgtcttaacc cactatttcc caaacttact
18601 tggccacaga accctctatt ctccttaacaa tatattctga caaaaactc cttcaggaaac
18661 tgcttcaccc agaaccaaac aggtgagttt taaaaatat tatagcataa ttcaatgt
18721 ttaataagga tacaagaga cttatccct tctattcaca aacattcaac tcgagttacc
18781 ttctgataa ttctctatca cattttccct tctattcaca aacattcaac tcgagttacc
18841 ctttctgata ctttggatca agaatgtttaa ttcttattcag aaatccatgg cacactagtc

FIGURE 3 (continued)

18901 tggaaaaaaaaa taattttgtg tcttttaaa ttccttagagt acctctccac ttcaatcaca
18961 atttaagtcc agggcaggta tcctgggctc ctagcaaaca ctacacccca acaagagttt
19021 gggagccaaa ttatttgca aacccttaag aacacaaact aaaactaatt tatkcttata
19081 tctctgcaaa aatttagcatt ttgaacatcc aacgaaactt caagtttgag gataatggc
19141 ttactgacct gaccttgat ttacgtaac taacaacaaa tttctttaaa atctggtaa
19201 gaaatatgaa aatattgaaa agtaaacata aattccacaa agctgaatgg cagaaaaaaa
19261 tatttcttaa catcaagaac atatacaaaa gatgatcatt accacccaaa ttatctctgt
19321 tgctcaggat ttcatgtata aaaatagcga aatcaagaca aagacaattt cagcttaaaa
19381 cgaaaaagcta caccccttc attaaaggtg agcatcttgc cacactgtgc atatggagag
19441 agaacaaga caaggcacgg gagaactacc atgtcaaggg acagagctt ttcaaaatat
19501 ttatccctca gaagtaaacc ccactaccat agaaagaaaa aaatataatt agatatttt
19561 aatcacagca ttttgactt cctagggaaa aggagttttt ggtttaggg tttttttt
19621 cttttcttgt aaggaaaaat agatcttag atatcatttg ttacaacat gagttttct
19681 taagaatgaa ataaaaattt tatttaactt ctatcatata ttattcaac taaggtaat
19741 actatgttta gaaaattttt gttttaaatc atggtttata tataaaaaat gatacattta
19801 atctatgaat ttactttta accactttt ttttggaaa cttaaagactc acaagaagtt
19861 ataaaaatag ttcaagagaa tcccaggtac ccactgctt gcttccttgc ttacatgt
19921 agcattata tctaggaaaaaaa aaaaagggtt aagttttga cagttgatga aaaactgtca
19981 aaaaattgtt acaagcctgg taaatgcata ttttggagg aggttctaag gaaacactac
20041 caagttcaag taccactttt atcacatgca gctgcctt ccaacaggtt ttcaagata
20101 ctatccccct tacctgtttc tgcctttc aatggttttt ttccattttt acagacttct
20161 gaaaattttt gcttgattt aataagctt ccccatctt tcatgttaat atatctagca
20221 atattgaata gaaattataa atggaaataa aaatgcttgc ttttataaaa tctccagtt
20281 cgcagcaccc ccaatataat acaaacaac ttaagttgaa atttgggtttt ttaatgccc
20341 ctttgtgtgg tcaaaacaca gttttgaagg aatgaccacc ttcaatgttc ttacagctt
20401 ctttagtgtt actttttttt aaaaaaaaaa tcaatctgtt ggtttagtga tggtagttt
20461 ttcatggaaatcttcatct tatggaaattt atctagttt tcaatcata tactaccac
20521 aaaaataaac acaagcatgt tcccttaat catattatcc tccaccatata cttccaaaag
20581 gcattggctc acagatttct gtttaagatt gtggaccatt tatcccaatg aactcactca
20641 aactttatct aaaacatatc atgacaggtt ggtccaacag tctgttcaat ctgaaaaat
20701 gttctgtgtt ctgttcaagat tgacaaaatg ttcttttgg ccggcgcag tggctcacgc
20761 ctgtatccc agcactttgg gaggccgagg caggtgaatc acttgaggc aggagttcaa
20821 gaccagctg agcaacatgg tgaaaccccg tctgactaa aaaaaaaaaaca aaatttagctg
20881 ggcatggtgg cacatgcctg taatcccagc tactttggag gctgagacag gagacttgc
20941 tgaacccagg aggttagaggt tgcagtgagc cgagactgctg ctactgact ccagctggg
21001 caacaagagt gaaactctgt ctcaaaaaaaaaa aaaaaaaat ttttcttaag agcttctgt
21061 atgtgtggct gtccttaaa gtactttgtg ctcagttaca gcttcctgtc atcttattta
21121 cttatacata aatacgtaaa ctaagtaacc caacatataa actctcaacta aactcacatg
21181 ttgcatttca gaaaaggta tctggaaagca ttatggacta tagtggaaat gtaaggctaa
21241 cagcagttca aagttagggat gacacaaaaaa caaataaact atattgacag tcattccctc
21301 tactttttttttaa gaataataact tgttatttca aaatgacctc ttttggattaa aatttcagtt
21361 cataaaacat tacagtatgc ttctttatca aagtctacat atcagaagaa catgagctcc
21421 acgttctgtt aaaaactttaa acacattttt cttcttataa gacatttagca gttttgttga
21481 aaagaaaaat tgacataacc tagcattatc ttttggactt gcccattggag aaacttggag
21541 ttaaattttac tacttaattt tagaatctgt cagtttgat atggttctat aaatttttaa
21601 ttttttttaat ttaaattttttaa aaaatttttaa attctttaaa attttaaaattt ttttttttt
21661 cctgttttac atgtatata cttgtatata acatgtatc tactttgtacg ttataactgt
21721 aatataatttc aaatactttt tggagggtct gatataaact tggatataat taaaatgac
21781 tggccttgac cacagcataa gcagatgtct gatgtatgtt ctaaccaccc ttctccaata
21841 tacatccatc ctagaggaca ataaaagtc acagtcatga tttccaaat aacatattta
21901 ggtttcagac tgcttggaaa atagatttca gattgttggaa atctaataat ctgccttgc
21961 agatgactga cacacacaaa cacacacaca cacaccctgt tggatagta atgtgcaact

FIGURE 3 (continued)

22021 catgaggtac tttccctcat ccaaacagat gaccaagatt ttgaagacta ccttatttct
22081 cacttagtta aaacttcaa gaaaaaatat ttagaatgac ttaaagactc ttgtataaat
22141 aactacctaa atacagaaca aattgggagg atgtgggtca aacacagctg agctccactc
22201 agctcaaatt agatgagttct tttgactaca aagctcattt tcttaacata tgggttcctg
22261 cacgacttga taagattgc tgagcaccac agtaatctt taagacacta atcaaaaaca
22321 tggttctaca ttttaaaaac ctcagaagta gtttttaggac aacagaagca cctcaaccac
22381 taaaataagc aagtttctat tataagtaaa attaccacac agcaaatccc ttaacagttc
22441 agcaaccaat aaatagaaaa tattcattaa aagctgctat ttctgattgt tcctttgtat
22501 tcttcgacta taagtgaaac atatgaaaaa taattgggtt tcagaaagct tttgactaca
22561 tgatatgcat cttatgaaaag aatatgcatc ttatgaaaaga atatgagcca agcatagaaa
22621 acttggacca gatgcacagt atttctacta ccctggccat gggctcctcc tgagtagtgt
22681 ctaacaagtg ggcaatttca gtaagaattt tacagcctag catactaaccg ataaccagta
22741 cattcaactc ttctggatt aatacaagaa agacaactga agatgtacta caaagacata
22801 ggtctaaaac tgccacattt gcccaagttt actaaaagaa ctcttcctaa ccttatatcga
22861 acacatcgc aaagaccaat gttatactga aatgagtatt atcagatgtt attatatgt
22921 accaccttta atatttatct atgtgctact aaaccccca aagatttagac ttatgagagc
22981 ataattaaaa agcacattcc tcctcactt taaaagttt atatggctc ttctactgaa
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23101 cctcagccaa aaagccacat attaggtatt cagcctggtc taagaaaact aagttataaa
23161 attgaataaa taaaatcaaa taaatttagga gtgcacattc agaacagaat tgtagcctt
23221 ggtcagcaac atgtgaacca aaggcaaaaa tctgccatga ttaaggcagt tctttgtata
23281 cagtacgatg ttttttctt ccccccccccc ccaaccaagt tcatttagca ttctctttgt
23341 tattaaaaat gcagtgccaa gctagaatac aagcttccta ataataatag taaaataga
23401 tggcatagaa agttcccttt ggtttaggt ttcccttaat acctattatg gtatcttctt
23461 tttgccttca cacacttggt gtaagagatt actgcaacaa tcgtttgact ttggccacaa
23521 accatgacta ctctcagggc gaaagccgtt ggaaggaatt attttcttct tctgtggag
23581 tcaatthaag tggcgttgcattttt ttccggaggag gaagctgagg gcttggcga agattgtcat
23641 ccatctgttag aaagtacaaa agatacatct gactaatgt gtggcaccgc ttatgtggac
23701 tggcctcc ccatccaaac tatacgcttag aagagtacag aaccatatgt ttctgggt
23761 gctagagaaa ctttttctt acaaataatc tcaagaattt taaatgtcat acctcaaata
23821 ccagctgact cagtttctgt aaaaagcaac gtggctcatt cctgataacct tcacagaatt
23881 atagttattt ccacaaaata aatattctac tgaactcaac cataacttaa agaggcttc
23941 tgatagtaag tggaaaagcg gtactgttac actaagctcc agtttgc当地 ctatgttcc
24001 gtacagtatc ttatgtatc ttcccgatac gctatgaaga aaaggcagac acagaccc
24061 tctgttgcattt agatgagcaaa aacgagactc tgtaaggta agtggattgc cccacgtcac
24121 aagcttagtat gagagctgaa acttggaccc aggttcttgc attccaaaac tattatttt
24181 tcaactatac ttctttacact caatggaaaat gacctgttattt ccaatcaaaa aagaccagct
24241 tttttttactt gagaataggt agaccaaaagg aagcttagtac attaggcaaa aagaaagata
24301 aattttttaa atgtatcca gtggtttcc aaacacttgg tcaactctaa atgaggttaac
24361 ccacatcaag ctcaaaataac acagtggtgg acctcaaaaa ctgttagcca gtgtcatcag
24421 gcctcattgc cctatgagtt tggaaaatag taagtatttac tattttgtatc aggaaaaaaa
24481 aaaaagcaaa gcttattcattt tacaggggaa aaaatatgtt acctttttgtt atttttctt
24541 gttagaatcac acttggaaatt tcctttgtt gttctctccc ctacccagtt cctcaatgtt
24601 tctctcatga aaagaacacc ccaagtggca aaatatctac actgggtaaa aaactataaa
24661 ctatatactt tagcagagaag aacaagaagg agaaaaaaaat aaaacttca tggaaagaa
24721 agaaaagaac acgggtgtgt taataagaaa ggataagccc agtgcattaca atcttaagaa
24781 acatataagag acagagagggc agacacacaa gcaagaagtg ttttgcattt gtttttttt
24841 gtgttttttc tggatggagtc tcgctccgtt gcccaggctg gagtgcagtg gcacgatctc
24901 agctcaactgc aagctccgccc tcccggttca atgccatttctt cctgcctcag cctcctgagt
24961 agctggactt acaggcgccc gccaccatgc cccgctaatt ttttgcattt ttagtagaga
25021 cggggtttcg ccgtataagc cagatggc tcgatctcat gacccatga tctgcccccc
25081 tcggcctccc aaagagctgg gattacagga gtgacccacc gcggccggcc gctttgttt

FIGURE 3 (continued)

25141 tttaaagcaa atcttttgg a tttccttagct taaagggtac taactgtgtg gcaaaagtaa
25201 acccaatact cttatctgat cttcccaa tcagggcact gttggcttca aaacactatg
25261 ttacatacaa ctttagtcaa agtataattt aacagtttc taaaaacaa actctataaa
25321 aaaaactaaa agggtacagt taatgtgtga cccaaatgac aatattagct accgaaagga
25381 aaatactgaa ctatgataaa atgattgaag tagacttgac ctttcaatc aagttggatt
25441 ccttatttac aagttgtgtg agttctgca gatttgcac taccgttct tgcagctg
25501 gagagatgcc taagaagcc ggacagaaat cagagaaaga cagggaaattt taaaagcctt
25561 taaagctatt tagattgaaa gaattttgag tctaccacc ctgtccagtg ccccacccctc
25621 cccaaaaaaag gcaaaagagga aaaccattt gggttaaag gcaagagag ggattcgaat
25681 gctctaaaac taaaccctga gcaaaacgga caaaaattt tccactaagt agacactgct
25741 aaccaagtgt tctgcaattt gccacaataa ttagttttt tttttttt aaaaaaaaaaag
25801 cacagtagtc ctcatttct tctcaagttt aagctattcc tttctcacac ccatttcaaa
25861 taggtctttg gtcacaacta tctggatagt tttctaaggc agtaactccc aaaaagttgc
25921 ccaccagaca tccaaagttt tcagaagaac taaaaaatac aaattcttag gattgatgcc
25981 taaaagattc taattttagta agtctggaaat aggacccaag atttttatac tgcataataa
26041 tcaggttgc taaccactgc tcccaagttt acacgggtga acattactta atttcatgac
26101 tcccaaacta ctaaccctt cctgtataca gaatacataa cccaccaaaa aataataaaac
26161 tgtccaccta agccagctat ctttataacc tttttcttaa aaggacaatt tcagccaaacc
26221 atcccaatag aaatttttagta tctgaatcac ttaagcaca ggctccactc tctcaatgaa
26281 gcacatccctaa agtaacaggt gccccttatt tactatactt ccattctgat gcaatcagtt
26341 ttcaagttgtt ggaatcatgg cagtgtaccc caccggaaatc aatctgtgc tgatttctgt
26401 tcatgcagga aaatgtctaga agcagcaggt aaaaatcatt taaagtaatt gtccatttgc
26461 attaggataa atactgtttt tcagcaaaaga cttataacct gtgttttaa ctttttagaa
26521 gaaaatgacc cacttcaaag gggtaatatt taaaagaaaca gaagaagaaa cgtaaaaatc
26581 cagcggata gataaaaggc aaatatctat ttatctattt aaataagaac taacatgaga
26641 ataaaaatga agtcggaaaa acacaaatcc ttgaagtgtc ataaaccact attaaagac
26701 aatacacaaaa cttctaaaat taaaataagt agtggattt gcttatacat acataggaga
26761 atatgcaaac aaacatttgc tgaaaaagag ccagcttacc tccaaagacta agcctaaaat
26821 aactgctcag gatgtcatca caaaagcgc agaggttgg gagcttcc agatgttctt
26881 gtagctgaac ttttagaaac cgtactttgt aaagaggtgc aagaaaacca aaaacatagg
26941 catccaaggt agaaggccctaa gaaataaatt aaggattttt aaagcacata agacaatatt
27001 aactgaaggc cgggtgtgtt ggctcatgcc ttaatccca gtactttggg agatcaagcg
27061 gggcagatc acttgaggc aggagttcca gataagcctg gccaacatgg tggaaaccctg
27121 tctctactaa aaatacaaaa gaagtcggc gtgggtggg gcacctgtaa acccagctac
27181 ttgggagggtt gaggcaggag aattgcttga acccaggagg cggaggtgc aatgagccaa
27241 gatcatgcca ctgcacttgc gcctggcaaa caagagcaag actccatctc aaaaaaaaaa
27301 aaaaaaaaaa attaaattaa ggattttttt aagcacataa gaaaatacta acttgggatg
27361 gtgtttaatt ttttttcaattt aatttctcaat tctgaattac acagtatagt ctcttaaaag
27421 gtttacttgc catttcaggatt tacaaaaattt atgcaaccaa gttttactc attgagtagc
27481 ttagactcta ggagaaaatg aaattgtctt tatagatca tttttactca caaatgttag
27541 actggaggca gagtggaaac agtctgagat gttttaaattt cacatatgca gccttataag
27601 tcaatgttag attatcactg gtggaaaaatg tttcctataa taaaagccca taaaattttt
27661 ttcttgggg ttttgggggg ttgacatgg gtttcaactt tgcacccag gctggagtg
27721 agtggcgtga tctcagctca ctgcacccctc caccccccag gttcaagcga ttctcctgccc
27781 tcagccccc aagtagctgg gattacaggt gcccaccacc acacccagct aattttttgt
27841 atttttagta gagatgggg ttcggccatgt tggggcaggtt ggttttgcac ttctggccctc
27901 ggggtatctg cccaaactcgg cctcccaaag tgcgtgtt acaggtatga gcccacccac
27961 cggccctaaat cttgtttttt ttaagaaaa aactcatctt ttggggagat aagaggactt
28021 gctttaaaa gctgctcaat gaatataatgt gcacaaaata cccaaatgat ttttaaggga
28081 atactcacgt atctccaaag aaaaactgag atgttccaa tctgtttgtt agaagatttta
28141 ggcactccctt ggcacatctg tataatcta aaggatgaaa ttatctca aaagtagaaaa
28201 agatactcta aaactacttt tgagggaaaggc atctcttagt aaactcaagt ctgcattttt

FIGURE 3 (continued)

28261 tcttgcctt tctctctagg gcccttgctt gaagaataat ccatactata cctgtgtctt
28321 cacttctcg aggtggtaga ggggaggctg tcctctggtc aggagaatcc tattcagtgc
28381 tcccttagac attcttccag gcaggatcaa actcaaagga aaaggaattt gtgaagcaaa
28441 ccatggctt gtcacagtaa agtaatgtc actctcaacc cagaatgtgt gaagctgcaa
28501 aagaagagaa aaaacactac aaggatgttc ttttattaaa taaaagatca ctcaccaac
28561 atgagagttt ttccataata tctttatag aagtgtctt atacaattt tccagttaga
28621 atgactcagg ataaaacaag attatttaa atgtgtgagt tttgttact gctatcttcc
28681 aaacaccagg aacaaggcct gacacatagc aggtgttcaa taaacattt tgaaatgaat
28741 gaattacacc caattctata catggagcaa aaagatccat ctcaccaaaa gaatttccaa
28801 catgacattt tattttact tgggtttca catactagtt gaatgcctaa cagaatccag
28861 ttccacagta atatgaagga attaagatta acatataagt aaaattttct ctaagactt
28921 ttctcatgg ttttttcta aacagactat gtacattgc aactaggcta ctaaaataact
28981 gtaatattt agaacactca ccactgcagg gagaagcttc tcttcgagga gagcaatata
29041 agccaatgtt tctgcccctt gtttgcgtga gagttcataa tcagcattat atttcttata
29101 aaaaaaaaata aaccaaagaa actcagaagt caaagagcag cccaaagaca gtaaaactaa
29161 tcaaattcagg attcatattt ttccattacaa atagcaaacg tggtatttac atgggagaaa
29221 gagaatataca aatccagtga aacctattgc ttaatgcaca taaagtttctt agcacagcat
29281 cacatacaca atatggtcaa taaatgttac aatattaact actattattt tcatgcttgt
29341 taatgaccta gttcagtgc tggcatgttag tacaacaaa gcaactatta ttttaacaa
29401 gaaggaaaca gttccatttgc gctgttttc tcccaagac aaaagaaaaa accttccaaat
29461 ttataaaagt tcaaaaatgtt attgacacaaa ttttttaag tacagtattt gcaaaacaaa
29521 taacttatcc attcatataa atctttacat gtttaacat tttggatata taattctcta
29581 ctgttaaaac atttagatac attattccat aaaactgcta ttaagagctt tttaaaata
29641 atatagttgc tagtgggtga gagctcagg gtcatgccc gcacaaaatg tgaccaact
29701 atgtgacaaaa atacacaatc ctatcaataa gtttaatagt gaaaatggct aattaaatct
29761 acttacatac aaatttcaat aaaattcaag caaagtttat taaaatataa actgactacc
29821 tcttcataatg actttcaat cacagaactc atgctttaga gcagtgattc tcaaatctat
29881 ttttacatct tgccttccaggat atctccatttgcataatgag ttggcaaaaaaaaata
29941 aataaaataa agccaaacat gcagggatca acaatctacc aatctacttcc ttcaaaatgt
30001 accacccacc tgtttctttaaaaatggta 30061 ttcagttgtc aatccatgc
30121 agtgtgattt cctctgagag attccatat cctaaaaact atagcgttgc cacatttaga
30181 ggggaaaaaa tgagtaagct tgcgttgc tttttgttgc ttcacaaaaga gcggttctaa
30241 agaacatttt cggttctcat aatttccagt gatttcgctt gcactttgag gtattactca
30301 gaatgatcaa accataaaca acacagagcc aagtcacgg taagaaacta aatcctcaat
30361 attatagcta tatacctcac agctttaaat ggaagaagaa aaaaagagt gcagaaaagg
30421 gagtgtaaag gtttacacta tacctcttgc acctctccag gtgttatcta tcacattgac
30481 tttcaagggt gcaccagaaa atttggcata agcctgaaac agagtttgc atcaaaacatt
30541 tttagaccaag tgcgtatgc aaagctgcag agcagcttta cttcacagcc ccatccccca
30601 aaggcagaag ggcactgata ctgaggccgc atccctcccc gtgatctcaa gtaggacgc
30661 gggcgccagc caccggctt tcgaggactt tgctccccaa aaggtctgg ggatgcagag
30721 tagggaggcgc ggcggccctt cttcggggtt tcactccacc gcccagacag ctttgtgagg
30781 cggacaaaac tcggagccaa gcgaggaaagc cttgatgtcg cccggccct tggcgggggg
30841 tattcggccag gttggactc gtcgggtggaa gggagcccg ggcaatgcag cgtgcagcgg
30901 ctggccctt ctggaccccg cagcgcagcg ggaaacttggg gcaagtgcgc cttggcgcctc
30961 cagccccggcc ctttcccttgc ggcggcccttgc cccgcggccgc gcctcaccat caccaccagg
31021 gactcgctgt gaacccatgg gatgtcccg cccgcctcccc agcaactgag ttccaagg
31081 gcccacatct tgcggggcc gaccccttact atcccggaag tactttccct cctaatttcc
31141 ggcacgtgaa acgcgggggc gttggcttaagg gagggaaaggg taatttgggg gctcttgaga
31201 gatgagagaa acaacgactg gagggattaa gaagaactct taggagcagc ttggcctaaa
31261 gggtaagagt tgcgtgcctt aagtcagacc caccagtaat tcttcaaaaata ttaatattta
31321 ttagatccct agagtgttcc aaacccttgc aacattaaat ctgtgtqatq cctaaattaa

FIGURE 3 (continued)

31381 cctgtttgt a aaacaggat gaccaggat ttacaagatt gtggtattt caatgtcgga
31441 gagaaagaac ttggcacaca ggaggcactc agtaattgtt caaccccttc tcccatgtat
31501 gtggcctctg cctgccttcc cagcctcaac ctgttctcac cctcatgttc actggcacaa
31561 ccctgcttaa aagttacagt atttctgaac gtcaggtaaa ttgtgccac cttcagtgt
31621 ggtcctcaa tctggaatat ctttcttccc tatcagctg ctccctcaaa aatgagctt
31681 actcaccttc cctgtgatgt ttttacaaag ttaggagctc tgggttctt tagcccttg
31741 tgcataattt aattgttagt tctctccctt gctacagacc ttttgcctt cacagaagag
31801 ggctagcttc ataggtttg gacctgtca gccacacaag gctctgtgt taaaaaggct
31861 cctcatttgg ctgatgctt tccgtactg tcttgaattt cttaaatgtt gaacaagggg
31921 ctctgcattt ttatggta ctggccctt caaatcatgt agctcgcat gtctgtggc
31981 ctaatgagca cagactaaat gtttcttgc gttaaacctg acagtttctc agaaaaacta
32041 ttaaagagga aattttggc ttggaaatgc tatgatccaa acatatgact gggtctcaga
32101 gttagaactt ggggtctggg tctttttctt agaaggcaca gtagtctt tgggacaccc
32161 tcgcagtcat gcctctgagt tcttcctctt attccactga gatggcggg tcttcttaac
32221 taaaactcaa aagaaacctc tgcaactttt cgtaaaatattt ctattcaaca aatatttgc
32281 aggcaactccc ttactgttta cataatcatt caaattacag tgccagcctg ctaaagtctt
32341 ttttacatgt ttcaaaacca agagttctaa gaaatgaaaa agagatatgt cagaaatgag
32401 aattcattaa taataactgt ataattggaa aatgcataac atatgtacca taaaactgt
32461 cggaaacattt attgagcagc tcctatgtt tagacatcat aaggttctgg aacaatacag
32521 aaatataaa aacatgaatt ctgtcctcgg gagtttacag tgcacaaaagg agatatacac
32581 acaccaaggt gtaacaagtc agataatcac gaggtagggtt agaaatataa gaaaaatact
32641 acagaaacac aaaggaggga cagtcatcc tctgtgtat cagtgagac tatctgttga
32701 gtcttcagta taaaagaaatg aaagaattt aactttcaga ttgtatggg acctccctgt
32761 ttggagggtt agaaaatgtca aaccatagac tgacaaaggc aaggcagggg gaaagaaaaat
32821 cctaaaggcat aaagctgagg gtccatatac tacattcagg catttaaaac aatcatacag
32881 aaagaatgtg gatttcctga gcctgtttt tagcaggact gagaggagtg aatgaacatt
32941 cttatggac acataacaca gttactcagt ttggccttctt tccgtactgc tgctactaca
33001 tacagtgatt tcatgttgcattaaagagaaaa ttaaatctt tcccttagtg ttgaatttgag
33061 acagaatagc atgtcatttgc atctgtatgaa agaattctt cacacagggtt tatttagtgc
33121 tagataatag caatcttta ttgtcgcagt tcccttttagt agtctgtatc tgtagattt
33181 aattaaaaaa actctaacat agtgcatttgc acaaacaggc tgaatactgt tccagagaac
33241 cacacagaaaa attgaagcct tcagaaattt tgccctggat ggttagtttgg ctccctgtgcc
33301 ttttcctggc tggttagag tattttcag agttcatctt aatcataact tcagatttct
33361 accggaaaga atactgtctg caaaacatcc atgtttgtt gggatggcct gaatcacagc
33421 tttataatga gtatcccaga cagtttttcc cccaaaaaaag aaatcttatt tttcaaaaaga
33481 tgatcattaa gaatggtttcc atctgtgtat agtcatcttga actcaggca cctgacccttgc
33541 gcatccatac ccatccttca tttttttttt aacttgggag ccacagtgc aggtttgtt
33601 ggctttttt gtctgggtga ttaagaatctt gggaaatgtt gttttttttt aagatgaaag
33661 gtttggaca aatgtatggta cagttatgg tcccttatgg gaaaattttttt ttgtaaatgc
33721 ttaaatatcc ctttgcattt gaagattcttga tattttgtt tccatgtataa aatccttaag
33781 gagggaaaag aacaaacactt gaatgaaaaa aaggagagct gagttcttgc tttggcctt
33841 gattgcattt atgcgttttgc gccaatctt ttcatttttgc acctctgttcc attcatttt
33901 aaagaaaaaaatccatc tctgatgttgc ttttttttgc tttttttttt tttttttttt
33961 atttctgaca tttatggagc aatttctaca tgccagaatgtt tttttttttt
34021 acttgcattt tccatgttgc gccaatctt ttcatttttgc acctctgttcc attcatttt
34081 ctttgcattt tccatgttgc gccaatctt ttcatttttgc acctctgttcc attcatttt
34141 agaaccaaga tttgaacccca ggcagtttttgc tttttttttt
34201 tcataactgc tcatgttagcc tccatgttgc gccaatctt ttcatttttgc acctctgttcc
34261 ggagatatca atgcgttttgc gccaatctt ttcatttttgc acctctgttcc attcatttt
34321 tacaccatta aacgaatttca ttaagcagct tccatgttgc tagcacaactg caagcctgtc
34381 agggaaaaaa aattttatgtt cgcctgtat tccatgttgc gccaatctt ttcatttttgc
34441 acccaggagt tcaagacaac cttggacaac atgtgaaac cttgtctcaa cagaaacaca

FIGURE 3 (continued)

34501 aaaattatacg ctgggcataa tggtgtgtgc ctatagtctc agctacttgg gaggctgagg
34561 cgggaggatg gctttagccc aggaggagaa gattgcgtg agccgtgatt gtgcaaaaac
34621 ttatgttcaa gcttttagag gcacagtta taaaacaagg cccacatatt tgaactaact
34681 agagactatt aggaagtacc atttgttcaa gaagacaagt ctagtatgtt ttttagacaaa
34741 ggcttgaatg tactgcaatg cttggcaaaag gcctaattgaa agaagatgt agctgtatctc
34801 gaagggtggg tacgttgcatttagattggc acagagtaag gcattgcata tggctgtgc
34861 tatataagtg aaggcataga aacaggactg actatggca ggaatctgaa gatgagtaaa
34921 cgaatgttgg gtttggtt aagctggaga ctgcgcagg agagtttgg ttgactaact
34981 tgagaaccag aatttggagg catggaaatt tatagtttt agaaaagtaaa gacaagtaaa
35041 agtccaaata caatatttagt ggatttacat agtcaaggat gggaggtaga cagctattgt
35101 tacatggaca ttataagaag aagcattttaaacccata aactatatta aataaagtaa
35161 aagtgtggg gaaaatgtc ctgaaatatta ttggaggaag gtcacttggc acccttccgc
35221 tgagcatttt tgatagagga gtttggtaga aatccgttgg caaggatttta ctggagaaaa
35281 gggtataaac gataaggaca ggtctaagag catgaggaat atgactgata aaggaaag
35341 agaaaatggg caggactgaa agactcaaag ttttggaaag agacgcacatg gtgaatctac
35401 acacatatga ggacaaaatt ggctattatg agtaaaagtc tgaagatgt ggagagaaga
35461 aggtgggat cctagaaatt gccctaagag ttgaggctga gatccggcgt ttgacgcagcg
35521 gggctggcag gcattgaaaa tgagagacat gctctttc tgacactgga ggaagttca
35581 aggggaacta tgggatgtc agtagataaa tcagttaccc tcaaatttcc ctattacatt
35641 agaaaaaaaaaaa taaaagtgc tgagagaaaag agattggggc tttttttttt cagctggca
35701 cagtggctca cacctgtat cccagaattt tgggaggcca aggcaggcag accactttag
35761 gatcacttga ggtcaggagt tccagaccag cctggccaaat atggtaaaac acaatctca
35821 ctaaaaaaaaaaaa aaaaaaaaaa gctggatgtg gtggcgcaca cctgtatcc cagctactca
35881 ggaggctgag gcaagacagt cgcttgcacc caggtggcag aggttgcagt gagctaagat
35941 cgtaccactg cactccagcc tgggcaacag agtgcacttgc tcacacatcc acaaaaaaaa
36001 aaaggcgaaa taatttagag actatatcag gggtaataaa aaagtaatgg ggacattgc
36061 tgacagtcgt aaaggcataa tggtaattttt tatttaaggcg ataaatcaag ggagagccat
36121 gggcaggcta atgatttagt gccttcttta acagatattt tttttttttt cattcgtt
36181 ttttaaatgg aaataaaagtt ggccccagaa tgtaacaaga tcaatttata ttttaccaat
36241 tattttaaaa gttttttttt gaaatccgga ttttagtacc actttttttt tggctctgag
36301 gatgatagaa gagggatggt acccttaggag ttgccccagg aattgaaaaga agatgaaactc
36361 tggtagcttca gcatgatggg ggctcagcc tcctgacgtc tagctaaatt tggtagctt
36421 tggtagcttcc tctaaagata ctttggtagtacc cagaacgata aaaagccaaat tttttttt
36481 tggtagctat gtgaagggtg tcaggcagta atatatactg ataggatttcc attttgc
36541 tccagcatag taaacctgtt gtcttttgc tggaaaagaa tttttttttt cccaaatgag
36601 aatattataa tctgacattt tgctgaattt atgttgagga aataggacaa ttataactt
36661 aaaatgaggt ttgttaaaggg tccttagtgg aaataaggac ttataatgg aagtaat
36721 tggaaataaac ggaaggcttta tttctataact tcactcaaag tggtaaaacc taatatacca
36781 atagactgtt atgtttaata tggatattttt aataactgaga gtggccacta agagaactat
36841 acaagtgata tactcaaaaa tactaaataa atcaaaatag tttttttttt ttttttttaag
36901 tccaaagtaac ccacaagaaaa gcaaggggcc agcaggggag tggatgggtt gaaatggg
36961 ggttagtcaga gagatgagaa gtttggaaaata aacagaaaaac aggttacaaa atggcaggct
37021 taaatcctaa aataccaaaa ctttattctaa atgtttaatggt gatctcaata cccaaat
37081 aagacagaaaa ttggcagagt ggataaaaaaa cctaaagctt atgtatgttgc tccctc
37141 acttccttca aacatgacat tggtagatgg aacccaaatg gatggaaaatg ttataccat
37201 caaacatttgc tcaggaaaaaa aaaatgttgc tggatggatgt tttttttttt ttttttt
37261 tgaaggacat tacataatgtt taaatggatc agtccacaaag acaacatatt aatcccaat
37321 gtgtgcacca aacaacagtg ctccaaatata catgaagcaaa aactgtatgg aggtgaaaga
37381 agaaaatagac aaatccataa ttttaactt aacataagct atagtttatacc cccacactca
37441 gcaatttgata gaactactgg aaaaaaaaata agcaaaagata tagatgtt aaacaacagg
37501 atctaataaga cattatggatc atgccccacc cagtgacacg agaacatataa ttat
37561 gagccttat aacattcacc aaatgttgc attatgttgc ataaatggaaa cctcaacaaa

FIGURE 3 (continued)

FIGURE 3 (continued)

40741 gggctctat tttaaagaaa agatttctt tctctgattt ttttatatg tagatgtctt
40801 cattatataat ttggacctgt tttaaaaca gcttagttt agatttattc ttcgagataa
40861 cttgtaccta tggacatcac caacagctta caaaaattag accagttgac tctcaataag
40921 acttctcacc tgatccatga gcatcatctc tttatttggg tttcataaagc cagatgatat
40981 cttaaaattg gcaaataataa ttacaactcc gttgaacata ttttctcca gaaaatgttt
41041 tgagtacaaa aacgacatct agaggtgact gtcataatat ctttctttg cacgtactac
41101 atatttgttgc cctgtttta gaaatatttt agaagttgg gtaacagaac cggcagtggc
41161 atttattgaa ttcttcctca caataactga agggatagta ttatactgt tttgcagata
41221 taacccttc aatccaacta atatttataa agtttactaa atgctggcac cagtgataacc
41281 aagatcaatc agatgttagt cttgttactg aatggcgtac atggaggaga taaacacagt
41341 aacgtccact cttgtgttgt gagtgctgtt ggagattaat taagtgttat gaggttata
41401 aagaggaatt attcaccat ctgcagaggg ctggggatg aaacagtgtc agtgaagcac
41461 tcctggagga ggttacccag gggaggtgtt ccagacagaa aacagctgaa gtaaaaacat
41521 ggaatagagc aatagtataat tgggtctga gaactacgta taattcaaca tttcaggagg
41581 gtaaagttag gcttagataa tgatgagaaa taagactgca ggcacagtca gaggcctatt
41641 tacccacaca aaggaatttgg gatgtggagg caccaggtaa aatatctt gttcaaaaag
41701 tgattacatg aggatttttgc cccagttctg tttgtctcca aagccatgtat ttttacatta
41761 aaccatattt acttcataga cattttcaaa attaaccatt taccaaaagat gtaaataa
41821 tataagaaga aaaacaatac taatttggaa gataataaaa gcattatttgc gaaaaagcca
41881 gtgttagtac tctatttca atttgaactt tgagtccat gattagacat tttcttagtcc
41941 catattttat accataccat gcagtctgtt tttgttaact atcattaata gtaaatgac
42001 aaactgacca gcatctaata ctggggttac actgggtgggt accctacaac aggcggttttgc
42061 ttctttggta tctaaccact accttcgta gctgcctgac aaagatgtga atctgaggcc
42121 acactaccc aaggccaccc ctaccaagac acatctgtg ggctaatgaa aacagagg
42181 ttctcttagc cctagcattt gggactgaca taccctcaat ggatgtcagg ggagaccagg
42241 tcactaagga tgactctctt gcccctaacc cattagcatg tccaaaaaag aaacaggaga
42301 ccaaagacct ttgccttgc taacagtcat gctgcctcgaa aagactgggg aagtccctc
42361 ccagtgaccc catgctctat cctaattgtg acgatgttca tgcttttca tcaaatttt
42421 taaatagaaa gggcggcggcggaa aagtcaact gtaatcaattt ggtgcagagt gcagggagag
42481 agagcatttc atattcaaga agaaattgtc caagcgttac atggcattgt ggtgagtc
42541 gtaattggag atagtagaga aacactggac agctgaggaa actccagaag ggagaaaaaaa
42601 aaaaaaaaaa aggaaaaaccc aagaacaaaaaaa taaaagagtc taaaatttac acagaatc
42661 aaaaagactt ctgaacaaaaa tagcattgtt ggtgctggaa aacttaattt gtcataacc
42721 cttacagcag gaggtgggtt gggactgtt tatgttaacg aaagatcatt tgaaaaaaa
42781 aaaaacaaaaa acatgttgc tttcttttta aaattttaac taaattccctt gattcttaac
42841 agaacaggaa atatacattt ttcactaagg aacaagtgtt tttctttaaa attccatatt
42901 atgatctgtt acaggtgagt ggggtggcaag tagaatattt tggtaactc ctgggatgg
42961 gaaagggttag gggaaatcgat attattaaga gggatataa ggagaggctt cagtaatttgc
43021 cagttgaat actgcaact taagtagtag gaaactatgt ttctggaggtt attccttata
43081 cttttataaa tgcctaaata ctacaaacat ttcataaact tttttttttt aattggagat
43141 tcggcaata ttttagggaaa tgagagggcg caagaaagag atcagaggggg cagaggatga
43201 gaagaagagg agaagtaagt agggagagag agaaaaaggaa aagaatggt tttgaaccta
43261 gtgagctttt ggaagggtt ggttagaggt cacatcatgc tgtttttctt atcaatttt
43321 accctgattt agtagcttc tacctgtttc tcaccaaattt gttcaagcag ctggcatgtt
43381 atttcatctt ctacttccca gcccacaaaac agtccagcc aacataaagc agttcttca
43441 gtagaaaaaaa gaaaaaaaaga gcacctgcaa ttccctcaag aagaaaaagaa caaaaacaat
43501 gagtatataat gtatgaatga acctaaagca gctctaaact actccctttt ggggacagaa
43561 gcagatgcct tcgccaattt caaaatgaaa tcccatatct ctgaagaccc cttcttcat
43621 ttactgtata atttacatgc aagttgtctg catagttaat cgtcctctat agcatctggt
43681 atttacatc aaaagccgc tttttttttt taaaattttttt aagttttttt gttttttttt
43741 tttaaacatt ttcttacaaat tttttttttt taaaattttttt aagttttttt gttttttttt
43801 ggatctggta gtaagtagta gggagggtca ttctacttgc ggatgttgc aatgtgaccc

FIGURE 3 (continued)

FIGURE 3 (continued)

46981 aagcttagga gtttcatcc tcattcataa ttccatagcc cataaacgtg cagaccaga
47041 cttgaccata atgtgactag atactaacag ggagtaatta agtttatttt tttcatatga
47101 atttcacaga catatacaat agcatggta aaagaactaa attaatttt tgtagtaat
47161 ttttccaac tctgatattt tgcgtcagct cctacttgc ccagccatgc ctatctgtgg
47221 tctgcggcc ttcaaaggc agccttgc ttgccaaag ccagcacagt ggtgctttgt
47281 gcaggggcat ccctgtgcct cctgaaattc gtctgccccca tgaagctagg tgctgggtgt
47341 tcgtggccag tcctctaaga agcaggtgtc cccactaccg tccaccatgt gtctctgtc
47401 tgcagaacgt ggctactact cagatccgt ttctactca agttctacct caaggctcg
47461 actctgtcaa gtgatgtact tcttgggtc catctgcctc ggggggtggaa attgtgaata
47521 gaaatgttagc ccagagaatc attgagagac taggtataag ccagtggcag aacctaacc
47581 aaaatgcgg gcttgcacc cctagccctg ggctcgtgca cataacacac agtgcctgt
47641 aatatcattt tttggggcat tattgtcact tttcttctac tgatgtggat ggcattgttg
47701 attttatgaa tatcaattat tcagattttt ctc当地at aattgttgg tttgagagat
47761 aattaaggca atagatgctc ctacaagaaa agagaatgaa agaccctgtat ttgtgttattt
47821 ggggttaagat cttacaacaa actggccca ggtctggat aatgtggac aacttcttag
47881 acagcataaa agcattaaaa agtttattaa cactatcatgt cgggtcataat gaaaatcaaa
47941 ttgttataat ttcaaaagaa gaaactaatg atactttaag gctgtgttta tagtaataact
48001 atctttctga aagatacttt gtttatgtac tatattaaca tagaaaaata gtaagcagtt
48061 tccagctaca atcagtggtt taaattaaga tgtaaatgtg ggtctaccag tgagaaacta
48121 aggcaaatgt ctccatctaa gacagagtt ccagataaaa tataagatga tgc当地actta
48181 aatttgaatt tcatatgaat aacaggtat ttttcttat aagtaaaaat ttcaagctta
48241 accgggcttc ccacattatt gttttttt aatttgcgtt tgagatggag tctcactctg
48301 tgc当地caggc tggagtgcag tgacacgatc tcgactcact ggcttcccac attttattt
48361 gtttaagtatg gcaactataa tctaaaggac aaaatttgc tccaaacact gcccctgaat
48421 aagatccaaa gtacatatga tagccaaatta atttggaaaa tacctcaata caatttcaaa
48481 tctcacagag gcagggttc tcaacattgg cactattgtat tttggggcag ttaattctt
48541 gttgtgaggg gctctcgatc attgttcaat gcttaacagc accccctcgcc tctaccacca
48601 gatgccagta gcataaccctg gttgtgacaa caaaaatgtt ctagacatttgc ttagatgtct
48661 ggtggggagg gggtcacaaa atcatccctg ggtgaggacc cctgttctga gggagaagc
48721 ttatttataa gtacagtata ttttattttat tcttagtataa aaactaactt gtc当地tgc
48781 tgaagaaaga agaggaaagc catattttat gtagccttta ttttaaaaata tcatgggaga
48841 agcaccatg gaaatggctg aggaactaga gagctggtag acgtgggatt atttgcagt
48901 ctgaggctct atgacagaag cttctgttgc ctc当地cagc tttgagagaa aaaggcagta
48961 gaaagtactc atgacacggc tcaggttccc aatataact tc当地ccaagg cttgaaaga
49021 acagtttaga cagagtctgc tgatttctgg aaaaggagtg ttttattttg atagcaataa
49081 ctgaaattcc aaccttagacc acctagctga ataatttatat gtgtgttcc aaaaaacaaa
49141 ttgccaagag atgcatttgc aatcagaata gaaaactgt ttactgttgc attttcaga
49201 aaataattca acagggatt ttgctaaatg gttttccctt ctatttacc caagaaaaca
49261 tatgaattta ttttgcgtc taaaccaaga aactaatgtg gttatacata ttatgggaa
49321 gtttttaagg aattaacgtt tagagtcttt gtggctctaa ttactgtct tc当地tgtgt
49381 agtgagatc actaaggcatt cttccctcca aggaatttcc agcataatcc tggggcc
49441 tcaaatttgc tttgtatttgc agattggagt gaaaatcaa atctacttcc aatgaagaaa
49501 aactaaaaaa aaaaacagtg attcaacaaa gttccaaag agaatacatg aacttcttat
49561 tctgccttta ttaatttgc tctacaattt ttttttgc tcaggataat gcaaaaaaaa
49621 ttcttttgc tcatctcact taaattttgg ggc当地agtg cctagctata ttgtttttt
49681 aaaaaagttt tgtaaagca gccagacttgc gtggctcaag cctgtatcc cagcacttt
49741 ggaggaggaa gcaagaggat tgcttgcagg caggatgtca agaccagccc agcaacata
49801 gtgagaccct gtttcttacc acaccctacc ccctaaaaaa aattagctgg atgtgcctgt
49861 agtcccagct actcaagagg ctgaagcagg aggattgtctt gagccagaa gttgaaggct
49921 gcaatgaacc atgatggac cactgcactg acaaagcaac tc当地tctga tctacagttc
49981 attcttggat aaacataata cacaacaccc agaaatacag caaaaaccca ttacccttaa
50041 gacaaagtcc agaatacctt ctgcagttca caaggtctta aattatctga ttggagcaga

FIGURE 3 (continued)

50101 ctacactttc cccaaactcca agttatatgc taagctgctc taagtttagag ataaaaaaaa
50161 tagagtggct caaatgagat caaagtttat aattctctca cctaccagg tagaagtatg
50221 cagttggctag tggttcagag tttgtggaaa gtttgatcca tgaagccatc taaataaggt
50281 actttgaccc aagtactttc tatcttgttg cttccaccc ttaagacat tctcctcatc
50341 cacatggtca aagctcaactc accactaccc tcactctgtc ccaatctgtta gaaaggtagg
50401 cagagaggcc agcaaatacg tttctttaa atttgtttg ctgggtgggt ccccaaggaa
50461 acagactctg agatggagat tagtgtacag gaagttact atgggggtgct ccatgaatta
50521 tcacccactg gaggaaagga aggaaggcaga actggaaaga tgaaaagtt aagctgcagt
50581 acagtcacaa caaggtctca tccaaattga tacggggcgt tgaagctgag ctggtccttc
50641 agagctggga tgagaccaga tattggctgc aagccattcc aggaaaggga tgtgaccttg
50701 aatgagatga cttttcttag ctgaggcaat tctcaaagg agctgtcagc cagtagcctt
50761 gcagttggac agatggcagc acagcagagc atctgggaca ggtatgtgacc tgaaaatagc
50821 attgatatgg tttggctgtc tccccacccc aatctcatct tgaattccca tgtgttgtgg
50881 gagaatcca gtgggaggtt attgaatcat gggggaaaggt ctttccatg ctattttgt
50941 gatagtgaat aagtctcatg agacctgaca gttttaaaag gggaaatttc cctgcacact
51001 ttctctctt gcctgctgcc atccatgtaa gacgtgactt gcttctctt gccttcgtcc
51061 aagattgtga ggcttccca gccacgtgga actgcaagtc cattaaacgt ctttctttg
51121 taaattaccc agtcccatgt atgtctttat cagcagcatg agaacagact aatacaaggg
51181 taaaccactt ccattcaccc ctcatatct aagatgtcta gaacagccac catagttgcc
51241 acggaggctg gggaaatacag tctctagcta ggaggcccta tgcctagcta gcactaaaag
51301 gaagaaggga gaagggatac tggggagcaa tcacaagagg gaaggaaaat cattcttga
51361 tttgttcagc ttatttgactg ttgttagatca aaaaccactt cattgaggaa agcaaccac
51421 caaacacaga agcagaaaaga gagctaaaaa tgggataaga acaactgaga aactgctt
51481 ccagtaatat attttaataa gtgaggacta caccaactt agttaggctt cagaatgagc
51541 cagggacaac tccccagaac tctgcaggaa ggggctccctg aggacacacg tccaaacctgc
51601 acctgaaacc ccaagtcaca aggacaactg atatttagat gctttcttc ctaagacctg
51661 ctacatatac gaaaaagtca cttaaggtaa aagataaaaat atgtgagaa acgattctgt
51721 ttcttaaaaaaaa aaaaagaaaaaa aaagaaagaa agaaacccaa acagtaattt tattgaccca
51781 agaaagcact attaaaatgt atcaacttct gtttagtttgc cttggatttt caacataata
51841 atgttctgtt taaaagaagg agaccaaagt atgcttattt cctgaatgac agaatattct
51901 gtgcacccaa cccccatgac atgcaatttc cttttatata acaaaccctcc atgtgtaccc
51961 ctgaacctaa aataaaaattt aataaataaa taaaatttaa aagaaaaat aaaaataaaag
52021 gaaggagacc aagaaataact taagggccca cttcccttct ttctgaacaa aatagccaga
52081 ccagcctctg ccactgattt aaccaggat tggaaactaa cataaagcag ccaccaccc
52141 tagatgagc ataagattt cagtagcctg tgaggaaact tggtaataaa actctgactg
52201 gtatgtacac tttatgtggc agtgtggca tctaaaccac caatgtggc gtcctcttgc
52261 ggacaggaga gggatgtgg tttgtacaac agaaaaaaca cattaaaact ctagaaaccc
52321 aaacagaggg agtaggaggg gccataaaaat gtctgacttc tcaaatggct gatgagctcc
52381 tagaggtgtc cttggctct tccccagagg caaatttcaa ctagaggttg aagctaagaa
52441 gcttatcaag actcagggt tctcaactt cccctcacag gccactcca aggctctgat
52501 ttccctggct ctctttgcct tggcttctg gccatcatg tccatcaactt gagacaatct
52561 gaggtgtcccc acaccaaaca cctgaaatac acctaataag aaagctcat cccatctgca
52621 aagtatgtc gaaactaagat ccagattcac aactcaggaa atttcactt acttaagtag
52681 tggcattcta ttttcaattt aaagtgtgtt tgaaaatctc taccctact gactggggct
52741 gtcacacgag gtcccactt gccccgtctt gggactctcc tgacacgac ttgactctgc
52801 tagacatctt ctctcctctt ccctgtgccc tcatccccat catctccag aaactcaagt
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52921 gcaagtttctt gcccctcccc gccatcaaaa gtgtgttaatt tttttttttt gtttttttt
52981 ttttgggggg tttttttttt ggg
53041 tgcaatggcg caatcttggc tcactgcaac ctctgcctcc tttttcaag tgattctt
53101 gcctcagct cccaaatggc tcactgcaac ctctgcctcc tttttcaag tgattctt
53161 ctatttttttt tagaaacagg tttcaccatg tgggtcaggc tgggtctcgaa ctcccgaccc

FIGURE 3 (continued)

53221 cagggtgatct gcctacacctca gcctcccaaaa gtgctgggat tacaggcatg agccaccatg
53281 cctggccaaa tgtgtgtaat ttcttaaacc caaaggggtc tagccaggat cctgcattgt
53341 catattttaa gaataaagtg atatctccat gaagggcccc actttgagtc ctatttatgt
53401 ttgcctctgg gatttagctg tagctggca tgggtgatag tgggttaggtg acagcctgcc
53461 cagggtatata ttgcaccctg gccatgtac atggggttga gaaagcaggc tccagtattc
53521 cacaggtctg ggttaaacc ccagctctac catttattag gtttggcc ctggaaagagt
53581 ctgtatcccc tctaagactt catctccctcg tttgtaaaat agagatataa taatactttc
53641 acaaggctat tgtgagaatt aaatgatgtta taattcggtt ttggcatagg gcctaaaacg
53701 tagtaagcac tgataaaatga cagttctaat agtagatacc ccataactaa gcgtcttga
53761 aggaagtttta ccataaggta agaagaaaatg caacttgatc cagtaacaaa accccagaag
53821 gagagattcc agacatagct tggagcccg ctcttggcta tgcgttccttgc cccagcttgc
53881 ctgttattca tcactgagtc ccatgttagag gtgggattgt aagtaaattg tgaaaagaat
53941 ggtttcagta aaaactcctt aaggcttgg gatacagcac agtgttgtct tgataaccacc
54001 accaccactt cctacaatac atatgtccca ccttaaccagg aaagagataa cgtctcaaacc
54061 tttgctttaa atgtgccttca gctttgaat ctacacagtgt ccaaagcatac agaggataact
54121 caatggatgt aacggtggcc tccaaacagat atgaccatgg tcttcaggtg atgtgccaat
54181 ggtatgtagt agacacagct ctgggttccca acagaggtac tgatgattcc agcagtcatg
54241 acagtggtcc ctgcagatg tggtggttcc tctggaaacaa gcagaataat gttctgtgga
54301 tacagcagga cccttggaaag catcaacatt ctcaagactga ttgagatgtt agggagttca
54361 gatatctctt aggctcagca aaagtggta tcgagccaa ggatgtggg ttagccagta
54421 gttgggggaa gagaaggaga aagtgtctga taccatggag tagctgcagg tattttattha
54481 tgaccatgtg tgggttatacg cccaaggta agacattttgg ggtatgagga atgtgaagaa
54541 gagactttga attggacaag agtgagggaaa atagccaagg aactatggag tataacttcta
54601 ttacctgggg tcaccataag cataaaaacta agagcttcat ttacagccct gtatttcaat
54661 gagaaagtgg aaagagcacc ggaccagcag tctggagaac caggtgtttaa tccaagtctg
54721 tcacttaatt tcttcaaacc ttattgtgtt tagaaaggag gaaaaagagt agcactcaat
54781 aactgacgtc ttttctttga taattttatt tcacactac cagattcaga taaagccaaa
54841 gtcttgctaa cactccctgc cagttgaat gtgtgactc tcaaaaactt gggaaatgtca
54901 ccattctgtt aagaaatctt ttaatggaaa ctttacatct tctaaaataa ttaacattca
54961 gtactcaacc tttagaacatt ttccaaattt agatgagaag agatgaagca agaaaaaaag
55021 gtgttaaccct atcatacttt tcctttggc gttgaaataa atatccagtt aggggatggg
55081 gaaagttttg gtttcttttag tactgagttg gtggcagcaa gagctaagta ggggctgagc
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55201 cccttgtgg gcttgcaggc cctagtcatg gtgggagacc ctctataaag gcctacaagt
55261 acttagggag gtaagaggac accccctaa gggctgaagc ctgtctcacc tttgagggca
55321 gtgagatcac cagtatccct gtgagctgtta acacaggaag gataagtcca tggctgggt
55381 ccgatcccta tgcctttgg aacatttctc cctctgataa gaaacccct tataataactt
55441 tggggactg gaacaacatc atcctcatca ttagaaaaat gattgctggt tgtaacatt
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55561 aaggcaagtg ttcccttcca ttagtgaaggc accaggggacc agggtcagggc cttcagtctc
55621 agagatgcag aaactcttgc cagtgctgtt aagaagctga agaataataa gcagactgccc
55681 aatgttgtca taaaaggca aggtatctt tacgaggtga gcattagcat cagcctggca
55741 agtacattct tagacaaaact gcacggaaagc caatttaaca gaaagtgtgt tgcaagca
55801 caagggtgtat gtttaatggg gtcagcttat aattacatga tgcattccatt tccaccatgt
55861 gtttctgtct gcttcttggc ccagaaggcc tgggtttggg gccagggaaa cccttccctg
55921 gacagtattc acgcattctac tgccagactt tgccctcactg actcttccctg tgcacacat
55981 tcccaaaccct caatgactca ccaattccct ttctgattga catggcttgc ccttaaacgt
56041 gttgatgtct ttaatcaaga cagattaaag tgaagtttct ttttctgga agatgtgact
56101 gcatactgtt ttgaccgatt atatgtgtc agctggcaaa gggctatgtc cttcatagc
56161 ctaattcttg gggtcacccc attgttgctt tcctccctata taacacctac actgttagtgt
56221 tggaaatgtca tcatgtttta ttttatttca tttttattttt ctgtgttctt tttctgtgtt
56281 ccactgattt ttttgagtgg gattggcttg cggaaatggta ttattttag cacaatgtca

FIGURE 3 (continued)

56341 atccagttag acaaaaatctt gtaacaaatt caactgtttc actgtatgaa agcaggcag
56401 gttctttact gatgacaatt tctgttttag aaacccaaact gagttttca taaatgtgaa
56461 acaaataata tacacatatt attgtattta ggattatagt attgttagcc ctaaaaaatg
56521 atcaatgaag tattggcaat gtgaggtgat aatttttgc ttctccctt cataatagat
56581 tttgcctgtc ctgttagtga tttgcactgc ccgcagctac ccaaaacctc aagcatagac
56641 aaactgctt aaattccaaac gttttagtcaa ctgattcaaa acggatagat taacccatac
56701 cacactccct gtgctgacac taatgaaaaa acaaaacago aaaagagttt ccactccca
56761 gatgtcaatc ttcttatttgc ttaatcatt ttatatttattt ttattgtatcc attcaattat
56821 gttggtttat tcctacttaa gttgtccaa agcatttaag acagatgata agaacacaag
56881 ataaaaatca ggatcaagaa aaataaaaaat aatgtttaga tgacaaagat gggaggagga
56941 attagaatta caaagatgtg tagaatgcta gttcttacat aattttttttt aatggaggcca
57001 atgttcaagc tgggcttcct ggtggcaaaa gcatacatga aattataata ggtacaaaat
57061 aataccgtaa agaaaacctc cccaaataaa gaaagcttt tcttgcact cgaatctgaa
57121 agaaaattttt tatttagata agaaaatctc agttagatgg ataacacaat accacaatac
57181 aatctaacaa catgcaaccc aacaaaatgt gtgtttttt aaggaattttt gttcttgc
57241 caatttcttc catctactaa tttttaataa atgcatttc tgcattttttt gtttttttt
57301 acccaaataat tttaatattt aataaaatct aagtttaat ctttttacat gtttctgaaa
57361 aatacaaggg gattataaga ctaatcaaat tgcttcccat gccactttat ttgttgc
57421 agttgagttgt gtttagttca ttttgcttt taatttctaca aattaaacac tattttttt
57481 gtcattcacca ttgttttata tggccagttgt tgaagttgtat ttattttataa atgtcttgc
57541 tcaccatttc ttcttgcattt tcagactttc aatttggatt cattttctgt gaggctcaag
57601 tatatccttc gaaattttct tttgtgagga tctataactca gttttgtttt tcttaaatgt
57661 ctttttattttt acttttatttc ttaaacgatc ttttactaa tcgtgggatt tgggattgat
57721 cttttttttt ctttgacacg ttgaaaatga tatttctggct tccattaatg ctgtggaaa
57781 cactgctgta cctctaattt ttattccctt gtggtgattt gttatcttgc gctactttt
57841 agatagatcc tctctttgac cttgttgc tgaacttcca ctctaatgtg ccaaggaatt
57901 attttattttg tatttatctg cttgtgatcc ttgttgc tttttttttt tttttttttt
57961 ctctcagccca ttttccttgc gaatatttgc tcttttccat ttttctact gtgttttcc
58021 agagctccaa tttagtgtat ggacttttca aaaaactttt ttttttttcc ttattatatt
58081 ttgaaatctc attttctgtt actatattttt atatgatttcc ttttagattt ttttataactt
58141 cactagttat ctctttgtt ccagtctgtt gtttaatttca tacatttgatt ttaattttaaa
58201 ttatatttcc attacagaa gttccaggcc aatataactt tttttttttt tttttttttt
58261 gagacagagt ttgtcttgc tcacccaggc tggagtgc tggcatgatc tcggctcact
58321 gcaaccctcg cctctgggt tcaatttgcattt ctctgcctc agcctcccta gtagctgaga
58381 ttagaggcac ctgcaccac accccggctaa tttttgtact tttagtagag atggggtttc
58441 accatgttgg ccagctgtt ctcaaactcc tgacttttagg tgatctgccc acctcggcc
58501 tccaaagtgc taggattaca ggtgtgagcc accgtgccc gcccaaatat atttttttt
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58621 taagtatatt tattgtatag tttacttctg atatttctg ttttcttgc ttttcttgc
58681 tgtgtatgtt ttgtctgctt tttcctctgg ctcttacttgc gttgtgc ttttcttgc
58741 actttgtctt tgtgtgttgg gaggggagtt catgttctt ttttatttttct taaagcataat
58801 ttttggaaac tggttaaagt tgggtgc ttttcttgc ttttcttgc ttttcttgc
58861 tgggaggact accagttctc tctgtgttgc ttttcttgc ttttcttgc ttttcttgc
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58981 acaagaagca acatcaacta tgaagtatca ttgataaaaaa ttttacttgc ttttcttgc
59041 atgagaaaata attgacccaa tcaagactat aggacagaat ttttacttgc ttttcttgc
59101 tggattcttc aaaaaagtca tacacacaca cacatgtacg tacacccat ttttacttgc
59161 agaaaatcaaa agaaactaca gagatgaaca gcccatttgc ttttacttgc
59221 tctggatttt ttaagtctc aaaaagatatt tgggagtttgc ttttacttgc
59281 actgtatatt aaatggcatt atggaaattat cattactttt ttttacttgc ttttacttgc
59341 tggattttttt ttttacttgc ttttacttgc ttttacttgc ttttacttgc
59401 agtgcctgt gcttataact ggtttcaaa cagacaaaca aaaaagctg gttccaaaatg

FIGURE 3 (continued)

FIGURE 3 (continued)

62581 ctc当地atcataatcgt tcataacaat gtggaaatag ccctgttgc aagtgcagta
62641 catctcttt ttc当地gtt ttaatttgc当地 aggc当地ttt tatataagaa gcaggttct
62701 aaagccatg tcattcatgg ttccctttt agttagtgg gcttggatc ctc当地gat
62761 gactactgcc tgaggatggt ccactccct ttactcaagc ct当地ctt当地 gat当地ggat
62821 agaccttcc cctggataac tgagtaggtt atcatcaatt tc当地tagttg caagaacacc
62881 agcctcaatt atttattaaa gaaaataaa gaaaaggta aacagacatg attctgcaaa
62941 aaacaatct cagaattata acatcacatg aaaaccaggc ccctgattat catgaaataa
63001 ttattccgat gtgtccatta cagggttgc当地 atgctggata tt当地tctt gagacctt
63061 ttggcctgaa ccagccctt当地 aactctt当地 gtctcatctc tacattggac aatataccta
63121 gctgtacccg catatacaca tggagatat atc当地tctc tatataaagt aacacacact
63181 ccacctgagg tggagctca gtat当地tctc tggatcaaaa gcagctgaaa tc当地tatt
63241 tacttgc当地t cagggcaatt aaaatttact ctaatgc当地t ct当地tattt当地t
63301 caagagggtt aggtccccct tccctaaacag agttagtgc当地t acttgc当地tca
63361 caataaccta cagttccccctt gttccctt当地t attaagctt tgggtgat当地t tagat当地a
63421 aactcaatataa caaatggaaa catctgaact ccactgtt当地t aatttattt当地t
63481 aacagaatataa ccaagactgg ttagttt当地t taaaagaaa gagagagagg tctat当地t
63541 ttatgattgt ggtggctgaa aagttcaagt ttgggcatcc acacacatgt ggtgatggcc
63601 tgaagctgct tcaactctt当地t gtggaaagca aaaggggagc tgggtgtgc
63661 catggtgggaa ggggaaagca gagagaaacc aaggagccag gctt当地tctc
63721 ccattctaat cc当地tccacg agagtaagaa ctc当地tccacc
63781 tattcctgag gaatccatcc ccaggattca cacacctctc
63841 accaccgcaaa agggatcaa atttcaacat gagtttgggt
63901 catagcaccc acaaaaataa agataataat aagaaacc
63961 taagtgtt当地t tattcatctt当地t ccaactaaaga acagtagt
64021 aaacagggtcc cattagcatc ttcatctt当地t
64081 aatggcttcc caaggtcata tagtcatgg
64141 caggacacta ccccttctt当地t
64201 tccctggaaat cagttcagg
64261 tgatatgtt当地t cgc当地tccacc
64321 tt当地tccagg
64381 cccaggc当地t
64441 cgtctgctt当地t
64501 atgatgttagc atgctggtgc当地t
64561 aaaaaagcaaa atactaaaaaa
64621 acgtt当地tatt aattacaaga
64681 aagcaaagtt ttatgcatt当地t
64741 aaggacactg tgtcttaggt
64801 gggagggtt当地t
64861 ctatgtt当地t
64921 cacctcattt当地t
64981 gagatattt当地t
65041 actcttccac agaaaaagaa
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117481 tggatcaaaa
117541 tggatcaaaa
117601 tggatcaaaa
117661 tggatcaaaa
117721 tggatcaaaa
117781 tggatcaaaa
117841 tggatcaaaa
117901 tggatcaaaa
117961 tggatcaaaa
118021 tggatcaaaa
118081 tggatcaaaa
118141 tggatcaaaa
118201 tggatcaaaa
118261 tggatcaaaa
118321 tggatcaaaa
118381 tggatcaaaa
118441 tggatcaaaa
118501 tggatcaaaa
118561 tggatcaaaa
118621 tggatcaaaa
118681 tggatcaaaa
118741 tggatcaaaa
118801 tggatcaaaa
118861 tggatcaaaa
118921 tggatcaaaa
118981 tggatcaaaa
119041 tggatcaaaa
119101 tggatcaaaa
119161 tggatcaaaa
119221 tggatcaaaa
119281 tggatcaaaa
119341 tggatcaaaa
119401 tggatcaaaa
11

FIGURE 3 (continued)

65701 tatttcctt tcccattagt caattttaa atgtggtagc caaaataatc aacatcacta
65761 gtaattatac ccatactcaa aaactttct ggtgaagagg catggcagaa ctccacaggg
65821 aaatcctatt gtgaggatta tataggtcgg aaagtcattt ttaactgaca tgcataataa
65881 agcacatgtc acataccaat ggaatttaac gttcaaatgg aataataaac tatgtttca
65941 gtatacattt ctagatccat acatgaaatc acatttccat taaacagttt tcaagtcgt
66001 gaccaattcc ctcctacttc tcctgaaatt tataatgaaacc tggatcattt taataccact
66061 ggaaagaaac actataactta gaaggagatg aacaacagat ttaatatttt ttcggttgcg
66121 gtactaggag gcaagctgtt aactctaattt ccctgtgtc ctcgacttct agatctgagt
66181 agtcaataag aaagttaggga agggactacc agcaagaaaa gaagccact aatatttcct
66241 tcttccttc tctgtgttt ctctctgtta ataattgagt ctaatattaa tggacaagga
66301 ttgccagaaa aggcattatc tagaacacagg gtcagtaacc ttttctgtta aggaccagag
66361 agtaaaatatac tgagcccttc gcaggccaca tgggctctgt tacaactact caactgtgcc
66421 attgtgccac aaaaatggac acagcattgc ttttccaa taaaacttta attatgagcc
66481 ttgaaatttg aatttcacat gatttcaca tcacaaat taaattccaa tcattttaaa
66541 ctataaaaat tatttcattt tcactgtatcc tataaaaaca agcagtgggc cagattcagc
66601 ctataggcta tagttgcag tccctggct aaaaacttta atacattaag agtatttcc
66661 tcattaaaac cactgaaattt gaagtcat ttcctcttc tgcccatat cttttccctt
66721 agactttaat tttttcccc acactctcat tcccatctt atttaccagg acattacttc
66781 tcctctctac ctcacatatt ttttttattt cactataaaac ctcactggag aataaaaacta
66841 tttgccaaag acccacctgt aaacacccag cactgcagca gccactaaca aagaggaaga
66901 cacagaacct gtggccaatc atgtggacat tggcaataat ccattccctt ctcccttctt
66961 cttcctggta gagtccaccc tttataatag tctgaagaaaa acagattgtt acttttccac
67021 cttcctggca aacaaagggg tatgtctgtt accaacttct ggacagtaag acctgaagag
67081 aagtctgtt ggggtctt agggaaagggtt tttctcaactg gaaaaaagaa agctacaaga
67141 gcagaatccc caccctctcc ttgtttccta ctttttagatg atatcatgtt aagagacagt
67201 gtttagagct gcagcagcca ttttgcaccc atgaggggaaa tccaggaatt ggtccacagg
67261 cataacatca ttaatttccacc aaagcacctc cacagcttc tccccctgga cttectgtt
67321 taggcaataa taaaatccccca agatggaaat ttttttgcctt ttttatttacac cgacagactt
67381 cattttgc aagcttacat tgcttaggaa gtgtatgtac acataaaatg aaaaacccgt
67441 tacaaaaaaaa cataaaaat caggcaggac acagcggctc acacctgtt tcccgacagt
67501 ttgggaggcg gaggcagggtt gactgtctca gcccaggagt tcaagaccag cctaggcaat
67561 atggcaaaaat cccatccatc caaaaaaaaaa tacaatccat ggcaggcat gtagtgaca
67621 catgtatcc cagctacttg ggaggcttagt atggatcact tgaggccagg aggttgaggc
67681 tgcagtgtc cgaggctgtt ccactgcact ccagcctggg tgacagagtg agaccctgtc
67741 tccaaaaaaa aaaaaaaaaa aaaaagggaaag aaaaaaccta aaataccata actccctccct
67801 ctttggcagc tctatttcac tttttttttt atacgttcat atctctccca cagagttact
67861 gctctatata ttttttctgc ttttacagaca aacttctttaa aagttatct gtccttagca
67921 gggcacagta gtgcacaccc tttttttttt gcaatcccaat ctacacagga gactgaggca ggagttatctt
67981 ttgaacccag gagtttcaga ccagcctggg caacacagca agacatcccc accccaccccc
68041 acctccgcca ctgtctctaa aaacccacca acttatctac ctttaccatc tccacttctt
68101 attctgtcat ctttccatcc tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
68161 catcaaaactg ctttcaacacag agtcccccccttccatcc tttttttttt tttttttttt tttttttttt
68221 ttttagctt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
68281 atacccatcc tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
68341 tatgtcgccc aggttggaaat gcaatggggat gatctggctt cactgcaccc tttttttttt tttttttttt
68401 gagttcaagg gatttccatc ctttccatcc tttttttttt tttttttttt tttttttttt tttttttttt
68461 ccatgcccac gttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
68521 tggctcaaa ctttccatcc tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
68581 tacaggcgtt agtcccccccttccatcc tttttttttt tttttttttt tttttttttt tttttttttt
68641 tccttaagttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
68701 gtgttccctgtt acccccttccatcc tttttttttt tttttttttt tttttttttt tttttttttt
68761 atctgtaccc tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt

FIGURE 3 (continued)

68821 ttcctgttga aagttaacta ctaaaatccc tcgatgtgac agttcttta gtaggacaa
68881 acatcccccc agggaaatgaa gtaatactat tcatttgc ttccaaaccatt ttttccccat
68941 agatgaactt cagccaaat aaaatcaaac tatccaaaat tccagctac ttgggaggct
69001 gaggcaggat ccaaattcat gtaattttcg tgtatggc aagtttgc tatgcccata
69061 taattcatta cactccacat catatggc tagcaaatac atctagacac ctggcactca
69121 gtaaggata ttcctggcac gataatcatt gttatcatta gacattgcag gaaccaccat
69181 atggatggat aaatgtgtt ttaatgaag gcaagcaatt actttaagag atcctagttg
69241 ttataaaactc tctctggact tcaagttgg tatatacata attattaaat gtatacataa
69301 ttataattg taacatgtcc tcacaattga ttctggcta ttttctaag gatttacac
69361 ttatattgt aaaatatatt aaagaggta atgataattt tttttagag acccttagat
69421 tgaaaaatgac tgattttca caccctttt ctgccttac taatcgtag tgcctaattg
69481 ctaaaagcaaa atatcttcta aattctgggg agggaaattct actttggcc aggcgcggtg
69541 gctcacgcct gtaatcccg cactttggga ggccgaggcg ggctgatcgt gaggtcagga
69601 gattgagacc atcctggcta acatggtaa accccgtctc tactaaaaat aaaaaaaaaa
69661 aaaaaaaaaatt agccgggcat ggtggggc accttttagtc ccagctactc gggaggctga
69721 gataggagaa tggcgtgaac cggggaggcg gaggtgcag taagccgaga tcgcgtgct
69781 gcaactccagc ctggcgaca gcgagactcc atctaaaaaa aaaataatag gaaatttac
69841 ttgtattgc acactaatca aaagactcca gcttcattt cagagacctt atctgtgcta
69901 agtagttttt ggaatagctt ttccctgtc acttaagcac cttccctttat tattaatagt
69961 aaactaaata ggagtccaaa gtctgcctt cccagtgcta gaggataaat gtcacac
70021 ggtagaatgt aaacatctt ttttttatt attttttattt tttggacag ggtcttgctc
70081 cgtggcccaag gcttggatgc agtggcatga tcatggctt cactgcagtc tcaacccct
70141 gggcccaagc aattctgtca cccagcctc ccaagttctt gggccacag gtgggcacca
70201 ccattggctaa ctaatttttt aattttttt tttgagacag agtctcacac ttttgcctgg
70261 gctggagtgc agtgggtc aaatccctc caccctccgg gttcaagcga
70321 ttctcttgcc tcagcctctt gagtagctag gattacaggt gcccaccacc atgcctggct
70381 aattttttgt attttttagta gagacgggg ttcaccatgt tggccaggct ggtctcgac
70441 tcctgacctt gtatccacc ggcctcgcc tccaaatgt ctgagattat aggtgtgagc
70501 tactgcgcct ggcctgattt tttatattt atttttatag agatgaggtc tcactatgtt
70561 gcccagggtt gtctccagct cctggctcaa gtgatttcc caccctggca tcctaagtgc
70621 tgagattata ggcatgagcc tccatgcctt gcccctttt ccatttttta atgttaataa
70681 ttatatccat ttctgtttcc ttcaaaaaattt caagtggaaa acctgacata aataatggta
70741 actttttat tatactata tcaattaaca catatgtata aaacttctac ttatgttgc
70801 caaatatcg tgcacagttt ggggtattt ccccaacttgc gaagaatggt gctatagtca
70861 ccgcacagga gcaggataga tccccactt caaaattggg ttggatata aaaaatcaata
70921 atgcacatcac acatgcagca aagggtttt aaggtttat tgctcacata atacgtttt
70981 ttgggggaga gtaagatggg cttccaagct ggtctggaaa ctagagagaa caagaaagga
71041 gaatggctttt gggattctt ttgtgggtttag gagtggggct gtgtgaggg ttccctgtaca
71101 tggcttaggg cttaacttgc gaaatggc ttagtgc ccaaggagca cctaggcatt
71161 cttatcagtt tgctcagat tggggcagag aggaaggaa gtggggggc ttgagaactg
71221 tctgcgtca aacatcaaaa attaagtcat actctgtatt acaacaatta gaaaagaaaat
71281 aaaatgttgtt atatcagttc tctattgtc caatattgtt acataacaaa caaccccaa
71341 acctcaatgg tatacaaaaa taaatgtgc ctgctcacac atctggagtc aactaaacag
71401 ctctgctgat ttgcctgaa ctcatcattc tgcgttgc ttccctggctg gctttggccag
71461 ggggtggcta taccctgctc tatgtctctc atccctccagt agggcagcac aggcacgtcta
71521 tcatggcaaa ggcaaaaggta cagggataaa ccagcccaat aacacaagca cttttaagc
71581 ctctgctgtt ggcacttttgc cccaaatctt gttggccaaat ctttttttttgc
71641 tgagatgtgtt acacagaaaa ataaaagatg tgcacacaga agagcaaaaga attggggcca
71701 tttttgcattt ctactgcacc tataatggta ttactaatat gtcacaactc ttatccttgc
71761 ttacagtatt aagagaagga aagtcaattc aatgtatata ttactactaa atgttaggt
71821 ctgtacttgg aatttagagtt acaaaaactaa atgagataat cctaggagc tcacagggt
71881 atactggaaa aaaaatcaaa caaattaataa cattattaaa ataaatggaaa taaaatccaa

FIGURE 3 (continued)

71941 tgtaagtaca tgaatagata tttataataag aagtggcatg gaaatgaaaa taaactctt
72001 tgtctccctt atcatatatt tcatalogttaa ttaaattaat tttattataa tcaaatttac
72061 tgtagacctg aggacataaa gtttactgag actccctagc gaatggctgc ataaaaatgc
72121 aagccctcta aaagcaaaac cagattgtaa attctgttag gctaacagaa agtcatttga
72181 ttctttgtt tttccgttac acttagtagt caaccaaaat ttattgtgtg cctatatgtg
72241 tgtatttagtc agagttctc agagggacag aactaacagg atagatagga aggggagtt
72301 attaaggagt attgacgcac gatcacaaga tgaagtccca caataggccg tctgcaagct
72361 gaggagcaag gaagccagac tgagtcctaa cacctcaagt agggaaagctg acagtgcac
72421 cttagtctg tggctgaagg cccacacagcc cctggcaaat cactaatgtt ggtccaagag
72481 tccaaaagct gaagaactt gacttaatg tttgcggca ggaagcatcc agcacagaaa
72541 aagatcaagg ccagaagacg cagcaagtct gctttccgt cttctctgc ctgctttatt
72601 cttagccatgc tggcagctga tttagatggt cctacccaga ttgagggtgg gtccgcctt
72661 cccagtcac tgactcagg ttaatctcc tttggcagca ccctcacaga cacacacagg
72721 agccataactt tacatccttc aatccagtca agttgacact caacattaac catcatgtt
72781 tgcaagctat tttgctggg atttgcttagg atcgaaaatt cctagtttt ttgttgggg
72841 tttgtttgg tttgaatct ttaatgagaa aaaatactat tgtgtcaag aacaccgtgc
72901 gtctgggtg tcattgggtc aagggttggg gacacacatg gcagaattca gaaacagggt
72961 aacatcaaca aaaatacaca cggtcataaa aagaaaaact ggcacctggc atgatcaact
73021 ctgttcctc atcattcagc agcatgttgg ggatcctgct gctgatgggg aacacacgtc
73081 cagactctgg gcactgcagg gtgcctcca acacatctac ctccagcagc acgtggtgca
73141 ttgtcctcac catggagatt cctagcaaat actctaggtt tttaaatag aagaaattta
73201 atacaggaa atgattacat atatagtaga agaactgaga tgtcaaacag aagagtgggg
73261 caatccacat tttagcaact gcagtaagtgc acctccaatg tcatggctgg agggtgcaaa
73321 tgggagaag gcagaagcta gaatcatggt ggacccacc tgcaagagtc acaaagaaga
73381 tgcatttcatt caggtcacag agaagtaat actctagtg ctacattcta cttttttatt
73441 gctctctagt ctcccatttt atctagactg ctgacaagca tgcaatggaa ggtgagcacc
73501 agatctgaga ggaaacaggc agtgtctgg ggcacactac acaagaactc tcacaggcat
73561 ccacttaggct tgctgggtg ctcatttaag gagtaaccct attttatgtt tcaagtagt
73621 ctatgggtg atatagcata ttgctgttt tgatgtttgg tttcattttgt tccctgttagg
73681 cacctaatac ctgtttttta aattttccag gagattctgg tatacccaat cagctgagaa
73741 ccactgaata gtggcttca aaatttttag catccaaata ttgtcctcac agaaaatttt
73801 aatctctgaa gtctactgtt aaaaataga aaggcaaggc tggatgtt gaaagcttagc
73861 ttgggagcct agattccctt caaaccagg ccactctgg gaacatggc tggagatttg
73921 aatgttccca aatcttagttt atctcattag tcgatattta tgcacatctt ctgtgtctt
73981 cagtttctc tcatgtgttag acatatgccc cattccaaag agtactgtt gtgtatgtt
74041 gcattaaagg aaccctggat agacactgtt tggaccttac atattagaga gctctgcaga
74101 tagtcacaa atctccaatg cgcttagctgt aaattgagtg ataattgggt tcaggtttt
74161 ttagcacagt ttggggataa aatggtgcat taatctccca gtttggct tattaaactt
74221 tggaaatggaa ttatttgaga cataaaagag atagcaatac tttgctggat gttctccatt
74281 agtcgagatt gttacagagg agaaattttt gcccactgtt atcaaataattt ttttctcta
74341 gttaatccat atcattccgg gagcttgc caggaaaagg acgaattact tgcgttcctc
74401 cgatctctt caagttctac tcccttaccc tttaaactgtc acacggaaatc tttgggtgaca
74461 gggaaataga ggtgggcaag caggcggtt ggaaaccata ctggaaacgaa attatccata
74521 aagcacagat tcaccaggct agaaatggct ctgtctggat ggattcttg agatgtttt
74581 tatctccatt aaaaacacaa caactttcaa actttcactg tgcgttcaaaa tgatagagaa
74641 aaaaatttcag cttttcaatg attcaagaaa agtttcaactg tgcgttcaaaa tgatagagaa
74701 ctctggccca ctttaggagg cagagcttc ctggagaact tcaggattca ttgcgttgg
74761 aacccaaagg gggcattcaa agccgatcca aaggatattc ttcttttttag aaaaacaaaag
74821 gagcgcaagg agtaggggac tgaaggtgcc caaagcttagt gggcgtgtt cactttctt
74881 ctcccttcg ccccttctt ccccttctt tctccctgt ggtctctgtt cagcaccctt
74941 ttctctccag ccccgactgc ccatttcgc ccctaccctt ggcgttcggg gccgtgttca
75001 caccaccccc aggacctggt ccgtccaggc tccttcccat cttcacacccc ggcctttct

FIGURE 3 (continued)

75061 ccctgccc cccggctcgct gctccagctg cccagcttt cccaggacag gggatccgc
75121 caaggggccc gccccccc cggccctccc ccgcggccgc gcaccataaa ggcggccgc
75181 gctccggcgg agcccagcag ccagctcccc agcaccgccc ggcggggacg cgagcgcgc
75241 cccgacggca gccccggcgc cgagcaeggg tcacctgccc cgccggccgc ggcggccgc
75301 gaggtcaac gacggcccg gggaccccca ggcggggcca acgcccggc cggccggc
75361 ctcggggga gcaggaagag ccaacatgct ggccccggc ggagccggc tcctccgt
75421 gcacctggc ctgcagcggt ggctagggc aggccggccag gccacccccc aggtaatgt
75481 gttcgggtc gggctgggca ggcggggca cgggtgccc catctgtga gtgagtggag
75541 ggacttgctc gccccgtgc tcctgtggcc ttgtcgagcc cctctgtc ctcggggc
75601 ccaatcaaag catattgtga ttggaggt tagttagtct agaattttcc gaaattcgat
75661 tatccaatga tgagaacaat tgccctaaata gttggggat gaaaaattgt ttcagactat
75721 gcaaaatgt ggggtgggt tgcctcaaa acttgctaca cggtctaga cctcttaaca
75781 tgtaggctc tgggtgttaggg tgaattccgg gtcctgcacc ctgtggcgt tccctccagg
75841 cagccttgc tccctaaatcc ttccctcaggc ggagcgatgt atgcccagag tctgcttgc
75901 acatccctga gaaagacgca gaattactct acttgccctg ccacctgcatt tttctgtct
75961 gactttgc ttttgc gaaacgacaaa aagaaatgtt atttcaaggg tggcttgat gtcttaattt
76021 ctgaggtaaa taggaaggcc tgagaaactg gtcttttca atgaaatcag ttcttgcag
76081 caagatggat gcagctggag gccattttcc taagtggatt aaggcaggaa cagaaaagca
76141 aataccatgt ttcacaagc gggagctaag cagtggatag atatggacat aaagatggaa
76201 acagtagaca ctggggactc caaaagttagg gggaaaggtt gggaaaacta ccaattggg
76261 actacgttca ctgggtgatg tgtagtactg aagctcaaat cccacccat gcaatgcacc
76321 catgtacaaa acttgcacat gtaccctctg aatctataat taaaaagaa aaaagaaaaga
76381 aattgatctt ttctatgaa acgtaaaaaa tcaacaaat aatgtaaaaa gataacttgg
76441 caatcctcaa accccttggt gaaatgggt gaaatagcca ttggtagaa agcagttaaa
76501 cagaatttt tgtaaagacc aaaagaaga catgattaa gcaagaaag atcttagggc
76561 tataactggc cctaactggc caggcgtgag cttcatctgt ttgaacttgg tgcctgggt
76621 gatttattac tgactgtgaa agtaaaactg gaagagacgc acaacttcaa gtaaaatgg
76681 ttttctct tgtagccaga gcaagactg cctatgaggc cgttctcaac tccctgcct
76741 ctgcgtctg gaatcacca tttaactgc atttcgcacca ataaactcatt ttcatccag
76801 accagacaac cagaactgtg gttcagggg ttagagttact gctaactttt agtttgg
76861 gaagtattt aatgtctgt gtcgtcccc catacttcta ggaaggtaaa aaaggaagct
76921 tttaaacact tcaaaatgt tattgtatg atattggca agtcaatttataatgttata
76981 attttttgt gttatatacg ttcttgactt ttgaacatac agctttatgg tgccttag
77041 gatgtctca gacataccctg accatttat ggagatttga actcgcccta tacaacctaa
77101 attatctggg taattttagt gctgtatgt atctgattaa gttaagttt tgatagattc
77161 ttttattgca ttatcttagt tgcaatttac aggcttaaca ggataatttgc attatcttgc
77221 tcttccccctg agcttcattt ggttctttaa attagtatattt attcaatttata cataccatgg
77281 tagctgcgtc cattggtagc agtaatttca cctctaaacag tagagggtt tgctttgt
77341 ctggcactta aacgtatcaa cattaataga aaatggtagt gtcttatttcc ttttcaaaa
77401 cactctctat gttcattact aactaatccc atctctgcgg cttgagagag atgcaatgt
77461 atcagacgaa ccatagattt aaataccgca agtttagttt gagttacatc atgaacctga
77521 tcatgtcaa aggaagaatc aagagtacta agaattttgtt tttgaatgtt gttccatata
77581 tttaataaca tatctttt ctgaagatgt ttgttctgtt atgaaactttt aaaacatatt
77641 gccttatttc ctttgcctt cattgtggaa aatgtaaatgtt ttccaatttctt cttggaaattt
77701 aaaaaatcca atttcccttt taaaatgttgcag tagggcaacag tttttatgg ttagggatatt
77761 aggactaag aggagcacag taaaatgttgc gtttccaac acatctcatg ttaatttcat
77821 tattgtttaa ggacccctgg tacatgtgaa aaatacaga tagatccagt tggaaagacaa
77881 attgtctttt aaaaggggtt aatattcttgc agtaacttgc ttttgcctt tttgtttag
77941 aacttttattt catttttattt acaaaagcaa tacctgcccc ttgttagaaaa gattaaatgt
78001 agataagcaa aaaataaaaat aaaaagaaaa gaggaaattt aaaacttata tttatgcac
78061 ccggggatag ttcttattaa cattaacatg ttgttgcattt gtcttgcatt tcaaataattt
78121 ttctatgcaa aaatataattt caaatggaaat tacgttatac atatgtttt agaattccctt

FIGURE 3 (continued)

78181 ttctttaatg tatacatgaac atctttcac atctgttaatg attcagctac atttttaaaa
78241 taggtatct tctgtttttt ggaagaatca aatgtattt agccagggtt gtaatataga
78301 acccttaagt tgtttgcgtt tttgatattt taaatattaa tttatttgaac aagtgcagg
78361 gtcacaggat ggtttggat gagtttaacc atcccctcaa ttcagccaa gcccctct
78421 tttttttgc taaggacagt taatgtttc atagcaaaat gctatgccaa cagagctca
78481 gtttacctc cttccaaattt gatttcacc taatttttc ctaaatagaa attctagaat
78541 taccactagt gtctaatattt cttgtaccta aatcatttac catgttatcc attatttccc
78601 taggataaaat tccataaggc agaattgcta gatcaaggag cacatatgtt ttagggcctt
78661 tgatactgtt gttttaactg tcttcaaaat gtttatacta gttttaatgt tacacagtgg
78721 tacagagagt gcccatttcc ctgaaccctc acaaacagtt gagtactgtt gtatttacta
78781 attttccaaat tcgatggta aaacaatacg ttattgtta agttagcaac tccgtcatca
78841 ttaggtaaat acatgaacat ttatttataat acttaatggt cattgttaatt cttttatgt
78901 aaattgcctt ttcataattcc ttgcccattt ttcttataag atgcttataca ttttattgt
78961 ttgttaagaac tctttatcaa ttgtcaatataccatttata ataaccagat tattatatcc
79021 aagagacagc tgtaggtgtt aataacttc cactgagttt tacccttatttgc
79081 cgtctgctaa tagatataactt aataacttc cactgagttt tacccttatttgc
79141 cttttaaatg actctggca tactctctca tagcttcat aaatattaca aagtttgtga
79201 gagaaagtac tgcttgctt atcaaaagca acttatacaa atacaatgc agattctgat
79261 tttttagttag caattctatc agtcaagaga cagaaaccac atcattttgt tttgtttgt
79321 ttccacatttggattttttaaaacagagaa atggtggaga attgttaaagg cacaaggaa
79381 acacttaggt ctcacaaagg tggcaatca ctttctacca gcacatctac caccatagcc
79441 atgtttctgt ctgcatttcc tgcattttgtt cactgaccag gaaaacacaa tggctctgg
79501 tcctggaggt gcctatggga caatggctt gatgtttca ccagcccccc ttgtacttta
79561 gtgggcattt tcagagctac ttgttcagcc aaaccccaattt atgtgttgc aaattcagtc
79621 ctctctcttgggctacac ccagtatgtt atattgtgtt gtatttcttc tgctcaat
79681 gtccagccac tataaaatgtt acagggaaaga actgggtgagt ttggcaatac gaaaaaggaa
79741 ttacaagattt agtttacattt accttggtagc ttactgttcaaa attgttca
79801 agaaaaccctg ttttcccaaa aatttgaatct ttcaatttata ccccttcttc tcccttcttc
79921 ccagtcttgc accttctccc atcttccatgtt cagaggctaa acccaggcgc tctgctgcca
79981 gtcctgacag accccggccctt gaatgatctc tatgtgttattt ccacccctcaaa gctgcagact
80041 aaaagttcag ccaccatctt cggtcttac tcttcaactt acaacagtaa atattttgaa
80101 ttactgttga tggacgtt aaacaaatgtt aagcaatattt gctgaattttaaattt
80161 aatctccctt ttcttatttca ggatttaggg tataactgttctt tgagatgtt ttcttgc
80221 aattatatttcaacttactt gtcatttcag tttttaatatttcaatttcc ttactgttaca
80281 ttacctata ttgggggggg ggtggggggc ggttcaggaa gaaagtgaca ttgggagaaaa
80341 aaaagaatgtt ctgtgaccaa gatgtttt gacattgtt gatctgttgc
80401 tccagttctg gaacagagag gacaagggtt aattcagccaa ttatctttagg cagctcaggc
80461 tgctataaca aaataccata gactttgtt gttttaatatttcaatttcc
80521 tcttagacagt ggtaatgttca agatcatgtt gccatctcag tccattttgtt gttgttataa
80581 aagacttacgg gagactgggtt aatttataaa gaaaagagat ttatctttagt cacaatcttgc
80641 caggctggaa gttcaagggtt atggccctgg ctttgcacaa ggactttttt gttgttataa
80701 gtgggtggaga aggttcaaaaga gggagcagac acatgggtt gggggaaaac ctgaggggca
80761 ccgtatctt ataataaccctt actctcttcaaa gaacttatttcaatttcc
80821 attttccacaa gagctgaaac tcaactgttca gagaacagca ccaaggcattt catgagat
80881 ccaatcccat aatttcatatg cttcccaaa ggccttaccc cccaaaccccg ccacatttgg
80941 gaccatattt cagcacgtt tttgacaggg acagacatcc catatccaa ccataaccacc
81001 cgcagatttgc gtccttgc agggcccaactt ccctggattt tagatggca ttttttattt
81061 gtgttcttcaatgttgaaga cagacagca gctctttgtt gttgttataa
81121 tattcccatc atgagggccaa caccctcaagg accttcatcttcaatttcc
81181 gccccaccccaaaatccatc cacaactggg attaggatgtt cagttatgttcaatttcc
81241 gccccaccccaaaatccatc acaaaatccatc agcccatgac agccacccca tactatttctt

FIGURE 3 (continued)

81301 atgttccctt tgaagccagt gctcagtaga cctagctcct aactccttaa gcacccatct
81361 ggcgtgtat gaaagaatat acctcaacca gtagaacagg atgaataggg ctctttctc
81421 cctgtgcgtg ccaatttaca caggcctgtc actgggttga tccctctgtc gtcatttgtt
81481 ttgttgcgtt agtgagttac tataagcact gagaagttag tcccaagaa aatggtcact
81541 attttccatt gccttctcct ccactccttc cccgggggac aacacctgtt cctgtttatt
81601 aaggaatgtg acagatgcgt gttcctgtc cttcatgtcat ttaataaaat aggagggctg
81661 gttcttctgg ctgggttta tggttatttc agtttgcctt acaaagtggaa cacttcctag
81721 tgcttcaaac tctctcttag attatattt tgattgtaca cttaaatctg caggcattag
81781 gaaatgaaag aagtttctaa ttcttaactt tcataggact cttaagttaa aagtataaaat
81841 gaatggact ttaacccctt cttttctgtc agattccaaat atgcttcttgc cctgcttcca
81901 cgctactccc aagtctgtt tctctgtatg tgccctcatag cctgtcagg gccttgagga
81961 ggtgtcagat aataaaagtga gtctgaggac atggccagca gatgggtcaa ccgttctgt
82021 ccccccttcc ccatcttcag ccctaatttgcgatgggattctt gcccattgtct ctgccttggaa
82081 tcaaacagcc ccattttgcc tagcatctgc tgaaggaact gctcatcttc tgacaaccca
82141 gctactcagt ttgtgatcgt aaaaatcacc gttcttcattt tggatcag cagttctcc
82201 taacctgtct atttcagagg cattgcaaaat atttttctt cgggttcatcc agcttaatgg
82261 ccagaagttc ctctgcagag taaaaaactg ctccaaagctt ttgccttcac tgcctctcac
82321 cctctatttc taaatttggcc agtatgtgtg agcccatgtt ggaaagtctg ttgctggaa
82381 acacaaggaa gcaacttccc ctgaacggat ccttcagtt tggatagaca agagtaacac
82441 tggatttaat gggcagtagg tagagggtaa ggggatcggtt agtatgttgc ctctgaagaa
82501 tcaccagtaa tatgagtcag ctgttaatac cagttgatca aatatttttag gggctgtat
82561 cccagcactt tggggaggctg aggcaggcag atcacctgtc gtcaggagtt cgagaacac
82621 atggccaaaca tggagaaacc ccatcttcattt taaaatatac aaaaatttgcg aggcatggca
82681 gtatgtgcct atagtcacag ctactcggga ggctgaggca ggagaatcac ttgaacccag
82741 gaggcagagg ttgcagtgtg ctgagattgt gcccgtgcac tccacacttc agcctgggt
82801 acagagcggag actctgtctc aaaaagaaaa aaaaatttgcg ggaaaagatg aaagggttga
82861 gatgaagaac tggaaagatga acatctccctt accctccaaat ctttttttttgcg agataaaattt
82921 ttcttagaaaa ctgtgggggc agaaggagtc ctggaaagat cttagaaatga gaattctcat
82981 aaggcaaaaga gggattttatg ctgttatttgcg agttaatgcg gttgaagaat gacacagaga
83041 agttgtttca ctggagcagt cggaaaaat acgaagattt gccagactg gtgaatataa
83101 aagtttcagg aaagagaatg ccattctgac tggaaacataaaaatggatc actgggtcca
83161 tcagatccaa ggaaaagaca gagcctgtgg ttgagactcc ccactgcagt gttcagtgg
83221 ggccatgtcgtt acttgacata attctccca caaccctcca caaattatct acctggacat
83281 ggtaggctcc agacagcatt catctggca agttcagct gatctcttctt tttgctgtt
83341 tgcgtggaaa acgggtgaaac agaagaaatc caagtggatc tctactgact taaaacaccc
83401 gagtaggaaa taaaacacac cttccctcc attaaagtcc aggactggga gatgaaggag
83461 ggtgactaca cagcatcaa gaggcatttgc tggatctgc ggcctcatat gaccccttgc
83521 aacaaattaa aatgttagcta atgaagactg caaagaaaga gtttgcact gagctctctg
83581 cttctactctt caccctctcc aagtccgtt accccaggcc acctcatttac ttgttccaaaa
83641 cataatttgg atcaagatac atctgcaccc tggacacttctt agtggccccc tttccaaatt
83701 gaataatgtt cccatgtctc agcaaggcat tgggggttcc cactctgtcat ggcccccaagc
83761 agccttcca gtttattccctt cattccagcc tccatgtcgc gtcaggatctt ccaagatagg
83821 ctatttgcattt tccctggggc cgacatgtt gtcgttccctt catcccttttgc ttcctgtt
83881 ctgcgttccctt gacacatatac ctgcacatcc ttttgcacacc caaatcttac acattcaaga
83941 cccatctcca gtccttctgtt atatttttgc taaatgtact ttgttccctt taaggaagac
84001 attcatcttgc gtcaccccttgc tacttgcattt acttcttaggt tttctcttcca tttgggttgg
84061 agtctcttgc agacaggcc tatacagccc ttatcttgc atctgtgc gacccatcc
84121 aggtgccttgc tacatagaag tagttcatgg atagatttgc aagaataaaat ggaggcttag
84181 aagatgtac ttgttgcgtt aaaaatgtatccat acaccattgtt gaaattctgg gattccacaa
84241 tatctgacac atagtaggtt aaaaaaaaaa aatttatttgc ttttttttttgc gacagatct
84301 tactctgtca cccaggctgg agtgcagtcg cttagatctgc gtcactgc gctctgtc
84361 ccttagttcg actgactctc ctgcctcagc ctcccgagta gtcggacta catgtgcgc

FIGURE 3 (continued)

84421 ccactacgcc cagctaattt ttctattttt ttagtagaga tgggttttg ccatattggc
84481 caggctggtc tcgaactcct ggcctcaagt gatcctcctg tctcggcctc ctaaattgct
84541 gggcttacag gtctgagcca ccacactcag ccaaaaaaaag atttttttt ttaatgaata
84601 aatattgaag ggcttttggaa ataggatgta agaggataca ggtatgtttt ctggtagaa
84661 tgatctgcca ggttatgagt aatacagcct ttaaatctt atagaataaa gcacccctgca
84721 gaaaccaccc ggctggatag aagatatggc tgatgctttt ctagtatctg gcgtaaagac
84781 aactttccag tttgtatcct gagtttgagt cacaactgc atcaccatga atacatctct
84841 gaatctctt tagcccttggt tgattgccta taaaatgggg ataataatag ctacccctaca
84901 ggctgggtgc aagaactgaa ttatataagg tataataact ttcttcagac tatgaggcct
84961 aataaaattt tcatactttt aaacagtattt agagacagat ttccactatt taggcaactg
85021 ttttctaatg atgatggttt ggtgaactct tggcttgct tgatgacaat ttcaccccttc
85081 agaaaaagaa acacaagaac tgcttcttta gtcttagtat gattgtctca gaacaacttg
85141 gtgctgtgaa gtgaaggaaa cccaaagtgt ttgctgtat gaccagagag tgcgtgaa
85201 actccttagc ctaaggatag gacatgtcaa atagttcaga gtatgtttc tgcgtctgc
85261 aagctaaaga gaaatataga ttaagagaga tggtagagct taaaaataaa aattataagac
85321 acaataataa gtggaaaaaa tgagggccct caaacattaa taataatattt tatggagct
85381 tttttttttt ttttgagac ggagtttgc tcttggcc caggtggag tgcaatggcg
85441 cgatcttggc tcactgcaac ctccgcctcc cgggttcaag tgattctctt gcctcagcc
85501 cccaaatttgc tgggattata ggcatgcgcc accagaccca gctaattttt gtattttag
85561 tagagacagg gtttctccat gttggcagg ctgatctcaa actcgccgacc tcagatgatc
85621 tgcctcttc gcctcccaa agtgcgggatc acaggccgt gagcaaccat gcccggccct
85681 atggagtctt ttaatgtac caggactgtg taaaagctt aaaggctatt tcccccttta
85741 actttcacaa tattcctatg acatgcctt gaatttagctt aattttaaag tggcatgtg
85801 cagaagatgg aaagaattttt aaaatttgc acaaaaactat aataatttagg aaaaaaaagc
85861 taaaacctaa ttgagtcaaa gttgggtattt cacacataag ataataaaat ggatgtttt
85921 agccatgttc agaataagat atggaagata tggaaagaaat aagcttaccc cctggaaatag
85981 gtaatgggag attaacaggat gatagaggtt agtcatagat ggcttttgc tttctgtctt
86041 acccatcaag gggagtgttc ttcaatttttgc caagaacagt taaaagaaaa caaaaatcca
86101 agctagatga ggagataga gaaaaacgcc cactctctt agtggatata actattcagg
86161 agcagatgaa ttacacatttggatatttttgc tgaagaaatgat tcaatgtggag ccactgttag
86221 ttcatatttttgc aatcatggag aacagaaagg ttctaaaaga caggacaggc aaatgtttcc
86281 atttttataa agaagggaaag ggtggatttgc gaaaaccaca ggctactgaa atttaggaca
86341 gagctccaga gggttatatttgc attatttgc tattttggat tggcccaagaa aagaaatctg
86401 ggattttttc taagacaaag tggatttttgc aagaataat catggccaaac tttttttttt
86461 cagtaagtt tcaaaatgttgc tagatttttttgc aaacatgttgc tgagcataat gtatctgact
86521 tcagaaaaaga attggatgaa gtcgcatttttgc ataccccttgc aaataatata aaaaagaacg
86581 agcttagttaa tagtaccgtt aggggttgc aagtcaactgtt atagcaatattt atctgtgg
86641 ttttgcagg gctctgttttgc gggatttttgc ctgtccaaatc tgcgttgc tttggatata
86701 acagcattttt atcgttttgc caatttttgc aagtttgc taaatcaacaa caaatccaa tcaatgttgc
86761 tcattccatatttgc ttacaaatgttgc ctaccatgttgc atacaatggg ccaaaatccaa tcagatgaaa
86821 tttaacaaga ataaatgttgc agctatcaac taggttttgc aagcaatgg cagaagttca
86881 ggatgttgc ttttttttgc ttttttttgc aagtttgc taaatcaacaa caaatccaa tcaatgttgc
86941 ggataatgttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc
87001 atactgttgc gcaactgttttgc ataaaaatgttgc ctttacatttgc ttttttttgc ttttttttgc
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87121 taatactgttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc
87181 tgaaaaatgttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc
87241 gtttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc
87301 gaacttagata aatgttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc
87361 ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc
87421 tgaggcaggat gtttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc
87481 attttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc ttttttttgc

FIGURE 3 (continued)

87541 gcgcgccctc agctcaactgc aacttccacc tcccagggttc aagcgattct cctgcctcag
87601 cctcctgagt agctggggtt acaggcaggc gccaccacac ccgcctaatt tttttgttg
87661 ttgtcggtat ccttagtaga gatggggttt caccatgttg gccaggctgg tctcaaactc
87721 ctgaccacgt gatccaccca cctcgccctc ccaaagtgtct gggattacag gcatgagcca
87781 ccgcacccag ccaaaaatac atttttaaa aaatttagcct ggctcgctgg tacatgcctg
87841 tagtccagc tactcaggag gctgtggcag gaggatcaact tgagcccagg agtctgaggc
87901 agcagtgagc cgtgatcatg ccactgcact ccagcctggg caacagggca agctcttgg
87961 tcaaaaaaat aaaaataatt aaaaataatt tttaaataat atttgaaaaa tgtcatttgg
88021 aatgaagatc agactaaatc tctgtcttagc tctgaagagt aaaatttagga tccattgta
88081 gaaagacagag gaaacagata ttggctctgt atttagaaaaa tcttggagag tgatccaaaa
88141 gtgaaatggc cttctctgca aagtaatgag ttccttggta ctggaaatgt gctggtagag
88201 gctgcacttt tattgaagga atttgtgaag tgagatatta agctggatga cttataatgc
88261 taatattttg tcattgtacc aaggctagag aagtttcata ggcacttaag aaattgctt
88321 gcaccccttt cctgtAACAT gacccggc ttctgtgcac actcaactgt ttgttgcata
88381 ctagatagtt gcatactatg atgaatctca tacttttca aaacacaaaag tccctctgcag
88441 atgttagca taattgctgt gttcccttca actagataga tgtgtgtgt tggtgtgt
88501 tgtgtgtgt tggtactctg tatactttac atttattcaa attgccataa gaaaactttg
88561 aaacagactg catttatcac agctaggagt cacccagagt actttcagaa aaagcaattt
88621 gctgatttac cttttgtatg tattccaaa gcactaaagt tacaagacc tagtgtatag
88681 ggcatgaaga tgaataagca aaggccaaaca agaatatcca tcacaagaga cattaatgtc
88741 aaggaggcaa ttttaatg tacaattatt taaaaagaag aggaaagatt gacaatgt
88801 gctccatca tatgtttaaa agtgcacaaag agcaagcca tttgcacaaac aaagcaaaa
88861 gctccagact acctttgtga gtttgcgtcc tgcaggccag gccactctgg actcctttgc
88921 ccaaggcagac aaaatattat cattttcagt tctttaaagc tggcacccctg cttcataact
88981 ttgacattca acatatcata atattttga ctaccaggc cactttcaa aaagcatctt
89041 ttgaaaattt tttctgaaga tagcaatatt tcaaatctc attgcctggg cttgctttt
89101 catctctgc cagtcactga aatcgatattt aatcagactg ggctatgtgg ttctgtgtc
89161 cggctggtcc caagcatgaa aatgttagctc ttggacagtg ccataaaatc aggcaatct
89221 gagtagctgg gtttacaggc aggcccccacc acgcccaccc aattttttt gttattgttg
89281 ttatccttag tagagatggg gtttccat gttggccagg ctggctcaa actcctgacc
89341 aaattgtcaa ttacacaaaag atgccaagtt tagagggaaa ggatttataat aaccaacaaa
89401 gtgtccaca ttttaaaaaa gacataattg tgtagtaataa aagtcagagt ggacacactc
89461 tattttatct attttttttc acttcccata agtagttgtc gtgggtccct cagatactat
89521 gggatgtggg aaaatcagta agatataagac ttggcagcat gaaggactt aaggtgggtgg
89581 gaagatttagg gccagtcctg ggataaggag ttgaaacattt atttagaatac cactagggag
89641 ttattgttggg atttcatttg ctgtttgtc ttgaggaggc aataacgtc agaacagtcc
89701 tataagaagt tcaatctctc agtccaaaaa gtccgtgcag aaagagaccc aaagttagaa
89761 ggggagtcag gaatctaaca gaggccca gaggtggagc agagtcagag acaccgttt
89821 agatccgagc acccaactgac tgacagccctt cagttccaaat ccaatctgca ctgcattctg
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89941 gagtagaaaaac caaggatgtg aactcaatgt gctgcagctg aagaaacaga gttgtacctg
90001 gaaccggccca gtgggttac cttggccact gcctacacag aaccattta tcaagacagg
90061 ggaattgcaaa tggagaaaagg gtaatttcacg tagagctggc tgtgtggag accagagtt
90121 tattttactt caaatcagtc tcccccaagca ttcaggatc agattttttta aagataattt
90181 tgcaggttagg ggcttggaa gtggggagtg ctgattggtc aggctggaaa taaaatcata
90241 gtgggtcaaa gttaggtttt cttaacgtct tctgttccctg ggtgtgtatgg cagaaatgt
90301 tggccacat tactggtctg ggtgggtca gctgatacat ccagtgcagg gtctgcacaaa
90361 tatctcaagc actgatgtt ggcttacaa tagtgcgtt ccccaattt ggaggtat
90421 ggggagcaat ttggggatgt ctcagactct tggagccaga ggctgcataa cctctaaact
90481 gtaatttcta atcctgttagc taatttataa gtcctgcacaa ggcagactgg tccccagc
90541 agaagagggt cttcgaaagg gggctgttat caattttgtct tcagagtcaa agcatctact
90601 gaattcccttc ccaaaatgtt ttcggccctgt gcccggaaat gaacaaggaa agcttaagtg

FIGURE 3 (continued)

90661 ttagaagcca gatagagtcg gttaggtctg atttctctca ctgtcataat ttccctgagtt
90721 ataatttggc aaagacagg tcataccag tgactgttt cctgagtgt ttccagggtg
90781 gtggccaggc agaggtgtgg tcgagtcggg aggtgggatg gttccagcct caggggcctg
90841 gcttcttctt ctttcctgga gggacaaaat ggtcatctc ctcctgctgt agtgtttcc
90901 cctgcgtttt gttccttctg ctatgtgtgg atgtgttggg ataagatagg gcaagatgag
90961 caccggaaa gggggctggc aagaggaagg gaaccctgtc tgttcttcc ccccccag
91021 ttagtgcgtcc tctggagaag gtgagggaaa ctcgcaccca acagctgca ggctcttggg
91081 gccagagctt tctgctttt ccagactcca tatgactgtat gtgaaaacgt tgagttcct
91141 gaggctgctt gcccctctggg tagtctaact gctctgataa taaaataagt gtagaggcac
91201 tgaatggaaag aatttgcataat aaaaaagaaa atgaaaaatg gaagccataa gagaatgag
91261 tattggatca agtgtgaaga atggaaaatg tcaaggact tgataatttt tctgctaaca
91321 aacagacatt gtgaaggtgg aagttccat gttttccctt ccctgcgtt tcttttgcata
91381 ttgtcatgag atctaggggc atgaggatt tgtcatttga gtgtacatt gcaacaaaaa
91441 gcaaggcaga agtacagaat ccacttaat gagagtatga acacaatagg aggttttgc
91501 acctggaaatt agatgttcaa ttgctgctct ctaaacttta ttttctatata aaaaagctt
91561 aaatacaatc atttaattat tcatttaaag tttatattaa caacatttag tgtgcaccc
91621 ctatatgtaa agtatcccac tagtactat tcatcaaatt aaagccagct atttagttat
91681 gaaaataaac catggccac ataccctgtg aagccctgtt aaaagcaggc aacatgccca
91741 agaaaatatg tttcctttaa attcacaga aatcttagtt tgaggaagaa aaatcaagag
91801 tttttgttat aagccactat gtgtatgctc tgaaacaggta aatgttagaga acagaggtag
91861 tggccataac tgaaataaagg agatagtgag tgagtgtgtg tgcacccaa ttcaagtttgc
91921 gtggccaag tggatattttt cttggcctgt aaaaactaca ggtatttgca aaactgttct
91981 aaatagtaat gtaatagaag tttttaaaa attgagtttag tgcatatgtt tggactcaat
92041 ttctccctct tttggttact atataatgggtt ctaatttcca gctgtgcagt tactattgt
92101 aattctcaac attaaaaaaa tttcagata caaatttattt ttattgatac atactttta
92161 catatttaag gggtacatgt gaattctcaa caattaat taaataaaag gagaagaatt
92221 ctgttctatc ccagattaga aatacccttag aatttctatt tggtcttatt tccctccatt
92281 ccattatttt cttcctcttc ataccacatt tataacgtc ttaccattta tttatattta
92341 tttataactt tacttcagga aacttagtat tggtctggaa tcagaaagcc cttctagcta
92401 gtctgtcttg ccaggtcttt ccgattttc tccctcaaga agcaagtggt ggtgaccacg
92461 tcgacataag agatttcccg tctgactctt cccaccatct gtgttaggtca cagaacccctca
92521 cgccaaactgg ctcttttcag actgtggtca actggaaaat cgagtcagat ttcaaggg
92581 tggaaaatg aacctagaaa gtctaatgtg gagaagcc taaaatataat ctttcatttt
92641 ccacaatagt gattattatc tttggcgata ctgcaacata aatagtttattt cttggcttagt
92701 tcatactctgg cggcaccatc ttggcattta cactctacag aaaagtacc tgaggagaaa
92761 gatggccaa gtacttgcc acagatcaca cagattaaca gcagcacagt ctgggtgtat
92821 atgtgtataa tatatctttt tattttttt atatacaagt aatgggttgc ttttgcata
92881 aagttaaaac aatgaagatg agcaggaaga aaaaaatacc atccaaacac ccagcaaata
92941 accataactaa ttttttttatacata ttttcttcta atttcttagg tatgtatgtatcata
93001 tacatataatacatacata cactttttc taaaccata ttgacccata acctccctt
93061 ttttttactt aacaaaatac tggaaatgtc tttttgtgtt tttatattc agtattcc
93121 tagtattcca ttttataattt atactgtat ttaagtttagcc agccctctcc ttttggacat
93181 atatgttgcc ccaagttttt attacaataa gtatttctga aatgaacatt ctcacccata
93241 catcttggtg ctgtttttt ttttttttatacatacata cactttttc ttttgcgtt
93301 ttctttaattt tcctcagttt tagttccat aagttggcaat gctggctgt tgggtttaca
93361 catgtttaag gttctgtatgc atgtgactaa attaccctcc agaaaaatgc tgctttaagt
93421 tctacttaac gctttccac cctggacag ctgaagactg gccagagctt tgcaagctgca
93481 atgatgttgc taccacccatc cttatccatc aacatttgcata attaccctcc gaccccttgc
93541 ctgggattgt ttccgggtgaa aatttagccat gcctggctaa tttttgtatt ttttagtagag
93601 acagggtttc accttattgg tcaggctgtt cttgaactcc tgaccccttgc atctgcccac
93661 ctcggccctcc caaagtgtcg ggtttggaa tggtagctgtt ggatgcaccc agaggtgtgt
93721 ttagacacta gctgaaatca ctttgcgtt tctagcaac ctttagccaaat gggctccact

FIGURE 3 (continued)

93781 cacaagggt cagttccaa gagcagatt tagtcaggg cctttatgt tcaggacaat
93841 aatggagtaa aaaaacaagg ctgaaaacca gaagatatgt gggcttaagc agatatgtga
93901 atagctaccc acataggaaa aacaaaacaa aacaaaacaa aaacaaaaac agaaaataag
93961 gtgggagtcc ttctttaca accatggata ccttttctt tcttttctt ttttttttt
94021 ttgagacagg atcgctctt tgccaggct ggagtgcagt ggtcgatca tggctcactg
94081 cagcctcaat cccccaggct caagcaatcc tccacctcag tgtcccaagt agctggact
94141 acaagtatgt gccaccacac ctggctttt tttttttt tttttgaaa tggagtcttg
94201 ctctgtcacc caggctggag tgcagtggg tgatcttgc tcactgcaac ctccaccc
94261 caggttcaag caattctcct gcctcagcct cctgagtagc tggactatg ggcgaacacc
94321 accatgcctg gctaattttt gtattttac tagagacggg gtttccat attggtcagg
94381 ctggcttga actcctgacc tcatgatctg cccacctcag cctcccaaag tgctggatt
94441 acaggcgtga gccactgcgc ccagcctggc caattttt aaatttactt tttgttagaga
94501 tgaggtctca ctatgttgc tagttgatt tcaaactct gaactcaagc gattctcca
94561 cctcggcctc ccaaagtgcg cggattacag gcataagcct ctgtcccag ccaatacc
94621 ttattatcta actgagcatt gttaaattca gggatgggtt gctgaggac gatatgacag
94681 attacactcg atttgatgtg tgctgactaa ggcctgtgca tgcctagcat tgctttagtc
94741 atggaatgaa tcacactcag gttcagattc tagtcctgca acttcctatg tccttgagca
94801 agtgccttca tttatctgag actcaatttc ctgtccata gttattccaa ttgcattttgg
94861 ttgcagttaga tagaaattaa gtatttaggc tggcacagt ggctcacacc tgaatccca
94921 gcactttggg aggccgaggg aggtggatcg cttagctcg ggatttcgag accagcctgg
94981 gcaacatggc aaaaccctgt ctctacaaaa aatatataaa ttagtgggt gtggggc
95041 acacctgtgg tcccaactac ttaggaggct aagacagaag gatgacttga gcctaggagg
95101 cagagggtgc agtgagctga gatcgcccc ctgcactgca gcctggggg cagagtgaga
95161 tcctgtctt aaaaaaaaaaa aaaagggaaag aatcaagaat tttaaggcac ctaaggacag
95221 ccccccagccc catggtagtg ctcaaggt gttgggtgaa tgaatggatt catgtctac
95281 gcttatatacg agtttacttt gcttcagat tgggtctgc ttgctcattt tacttataac
95341 tatatgagaa ttgtattgtt tattttcaaa ttgcacat attgtctgtt tctccatcaa
95401 cacaacat tctcaggaga agagttgggtt cccagtgct gaaaacagtg cctagcacac
95461 agaagatggt gaatcaatattt ttagtggatt ttctcaactca cattccgtcc agcaacc
95521 tcttggtacc aggaggctgt tcagcacagg acacttataca caccatttgc tgaccctca
95581 cttccccctc tgccacttat cacaccattt gttgacctgt gcttgcttcc agccatcc
95641 cgttacactga agaacatgg gaagggtcat ttgggtgggtt tcaacaacct gcagctgg
95701 gacggaaaggc ggcacaggat ctcctgagg ctgagcaattt tgcaagcagg ggcggctcc
95761 ctagagctt acctggactg catccagggt gattccgttc acaatctccc cagggcctt
95821 gctggccctt cccagaaacc tgagaccattt gaatttggagga ctttccagag gaagccac
95881 gtaggaaccc acaaaccattt ctctgaagt gaaaaatggat tgccagtgctc cttagggat
95941 cagaggagcg tgctgagaaa ttctgtgc aggtcagtgg gtctaatgcc gcttgcacat
96001 cagaatcacc tgcggagctt gaaaagcaag tgataggggg ctgccccat gacaaacttga
96061 atccgaatct gtcgggtggg gcctagcata tttttatgtt aggggcatca gcatatttt
96121 aaaaatccaa ttctaatgtt atgcccattt tgagagctg tgcttcaat gataagttaga
96181 gactctggat acaattgtaa cgttgaaag gaagggcaaa agtaaaaata actacctcg
96241 ggtgatgaca ttatcttattt tcaatttttataatgaaaaaaa tgatttagaaa
96301 ctgccaagct ttcataacag cattttcaca ggttgcata gaacatccac taacaaaagg
96361 gagcttagct tagctgcattt tggtcttaag ataccatcac ctctgtcttgc tgtttactc
96421 caggttgcattt gtagttttat tattctgtca ttgcacctgc tgtagaaattt gcccacat
96481 ttcttttagt aattttgtgc taggcagtgc tttgtttctt ataaagaactt agtattctt
96541 gtccttcca ataatgtata actggtaaa gttctgtat ttcatccgtt atataagcca
96601 atgtcaaatc agtaactatg ttcttcgtt atggcttcaat ttatTTTGT ctgctaccc
96661 tcaatccctca ctttccattt gtttaattcat tatattaata tatgttttag ttacaagcta
96721 ctctgagccc ttgtacaga gaagcagggt gtaagcaata atttccatttgc caagtaggaa
96781 tgctgtgcag ttttagatag taatataaaa actatgaatc tgatccttgc agttttggccc
96841 ttgaacaaca ggaagcattt ttaatcagaa attccaaagaa agctaaaatc cgagggtttt

FIGURE 3 (continued)

96901 ggggattttt gttttcagt catatataga gagattttt atgttagattt acatatggaa
96961 aaaaattaat agaaagatat gctaaactct ctttctgcat ccccatagta ggcgcgtgtaa
97021 tcagaatgac agtcagaaat tgggtcaactg ctatattcag aaatttagtgt tcaccaccaa
97081 ataagtcaat ttctaaaagt caggactcac ccctgacaaa gtcatcagaa actgtactta
97141 ctggattttt ctcagaagct ctacccctt agaccatggt agtgatcaca gtggctcagt
97201 ctcataatca cctactcaact cattcagtc gtaacacaaat gggcacattc taggcattag
97261 tgctaccatg gtgggcaaaag ccagtcat tccgtactt gcggagatta tagtctgtat
97321 tccaaatacaa tatgtgttaa atagcacatg ttgcctaaat cttagctaaa tcaaaaaagca
97381 gaattccctt gaaaatcctt agctgtgctc atttctaaaa taaggatgat gacttcactt
97441 tggcagttaa cataaaatgtt ttgttgtata tagatataat aaaggtgatt gcaaggcagca
97501 ttcacaagat aaaaggcga ggacattgac ttttgacta acaatgaata atatcaaccc
97561 gtaatataaa aatatgatgc caactaccta atgatcatag aagatatcat ttattcattc
97621 tcataatccca aagaagtcag aggcttgct agacccttga gccaagacaa ccaaaaaata
97681 atactgttta aaattgggtt taacaccta ttttatttata tctaaattcc ataaacaaaat
97741 tacagacaat tcttaagagg ctccgtccac aaaataactc ctttaccatg taggaaaaga
97801 gccttcgtt ttctcagctg tcttgggtac aatgccagca tttccctagg ctactggcta
97861 cttacatatt cacttagtc aaaaagatag ggctggcagg ctttagaaaa aatgtgtatc
97921 ctacaaaatt atgtaagatg tcagagggtc caagtataca ggactactt attatgaaaa
97981 ttgcgtgagt aggcaagcac attggctttt gaacagtgtc agcaactgtt ggtatgaatg
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98161 aggtgtggc tcttggcag tttgcatttcaaca caaactccaa agaccctgaa
98221 taggctgggt cccatcaccg aaaaagtggga ctgtcaacag agcagccaa caaaacgtat
98281 ctataaaaat cagtccttgc aacaaaatcc agggcacaga atatttcat tatgctttt
98341 tttttatgtat tcacatggaa tttagactt gtcagttggca tcattatcat tattttttt
98401 agctgaatta aagaaaattac cccaaattaa attcaaagat tctgggaaaa tgaatcatct
98461 tgtcaggatg atttcctggg gaataatttgc ttttgggtc acttagaaaat gaccatca
98521 ggctgaaaac tcttgcctt ttgtgttcc tacagggggac ttaaccggc agttcttggg
98581 tcaaatgaca caattaaacc aactcctggg agaggtgaag gaccccttga gacagcaggt
98641 aacaagcggg acatatcatc agaaaagccc tggcttttttgc acttagaaaat gaccatca
98701 agtggagctg caggcttgc cagggcaccggg ggcagcttgc ttttgggggg
98761 cacgcagccc cgcaacggcag ggctctgttgc gaagttcttgc
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98881 taagaagtgt tacagagagc caggtgcggt gcctcatgac
98941 aggtctgaggt gggcagatca cgaggtgagg agctcgagac
99001 aaccccgctt ctactaaaaat tacaatttgc acccaggcat
99061 ccagctactc aggaggcttgc ggcaggagaa ttgttgc
99121 tgagctgaga tcgttccact gcactccagc ctggcgaca
99181 aaaaaaaaaaaa aaaagtgtt aatgggggg
99241 atcaggcatt cttttcaat cttttttcc ctttctt
99301 catttttgcg aaacaccata gctgaatgcc
99361 ggctgcctt agttggatga tgcaggctt
99421 gcagtttctt aaggcttacc
99481 caaattttgtt tttgccttctt
99541 ttttctctag gtcctctt
99601 cccccctgcac cgccaaacacg
99661 gtccaaatgtt ccgacagtag
99721 ggaaacggga tcacatgttat
99781 atccctaagt atcccttca
99841 gggctgactt gggctgtt
99901 aagggtatggc ggaaggagac
99961 tgtttccaaac tcttctactt

FIGURE 3 (continued)

100021 ga~~c~~at~~t~~tgca ttgg~~t~~tattt ctct~~t~~aaata~~t~~ g~~t~~t~~c~~tg~~c~~ta caat~~t~~ttgtt tttccccac
100081 ttt~~t~~g~~c~~aaat g~~t~~g~~g~~aa~~g~~gggg aggattttc taagg~~g~~tata tt~~t~~cagg~~g~~gt caccgtggat
100141 tt~~c~~ttcaggc tt~~c~~c~~t~~aaaat aaaggagcag agggaa~~t~~ct cacaccaaca agggggaggc
100201 cct~~t~~taac~~c~~ at~~g~~agtaact aaacgtgccc agggagg~~g~~cc c~~c~~agaggagg cacatccagc
100261 aaatacc~~g~~c tattt~~g~~accg g~~c~~tggcagag ccccaga~~a~~ga gactgtt~~c~~ta agaccctggt
100321 taggcaggcc agcctag~~t~~gg ctg~~a~~agc~~c~~ctg caat~~c~~taac actt~~t~~ggag g~~c~~tgaggcag
100381 gaggatcaca tgagcccagg agttt~~g~~agac cagcccggc aacaagacaa aaccctatct
100441 ctaca~~aaaaaa~~ tat~~g~~ataatt act~~g~~ggg~~c~~at g~~g~~tggcatgt gc~~c~~tgtggc c~~c~~agctactc
100501 tgg~~a~~agat~~g~~a agcaggagg~~a~~ tt~~g~~c~~c~~t~~g~~agg~~a~~ caggagg~~t~~tg ag~~g~~ct~~g~~c~~g~~at~~g~~ag
100561 g~~g~~eaccactg cact~~t~~tag~~c~~ tggcacaac cct~~t~~c~~t~~caa aaaaaca~~a~~ac aaaaaaaaaac
100621 at~~g~~tttag~~g~~gc aat~~c~~acc~~g~~at cc~~a~~tt~~g~~ca ag~~c~~aat~~t~~tc at~~g~~cagg~~t~~ta g~~c~~aagg~~g~~t~~g~~c
100681 cacc~~aa~~at~~g~~ tgc~~c~~tt~~c~~aat gtgc~~c~~tttct cct~~cc~~ac~~cc~~ agcc~~c~~agg~~a~~ ag~~g~~ct~~g~~aa~~g~~
100741 gagaagc~~g~~ca ggggagagat g~~c~~ag~~g~~gtac~~a~~ aact~~t~~agg~~c~~a cact~~g~~act~~c~~ ctggggctcc
100801 tgcaggccca tgg~~a~~at~~g~~tt agtaacactc ag~~c~~t~~g~~att~~a~~c ctt~~c~~gct~~t~~ag~~t~~ agtaag~~g~~ca~~a~~
100861 taagacgg~~t~~c tct~~g~~at~~a~~atc cct~~c~~taatt~~g~~ agaaacaact g~~c~~atacattt cact~~g~~a~~c~~ct~~g~~
100921 cat~~c~~t~~g~~ttt ttat~~c~~t~~g~~ta g~~g~~t~~a~~attt tc~~c~~t~~c~~tttct gaaagg~~g~~cag~~a~~ ga~~g~~tg~~g~~t~~c~~a
100981 tg~~t~~tttttac att~~g~~tt~~g~~aa g~~t~~g~~t~~ttaaa aaaaaca~~aa~~aa a~~c~~aat~~c~~tcc aagatt~~c~~ta
101041 gagg~~c~~tt~~g~~ga at~~g~~cat~~g~~ga ct~~g~~ac~~g~~agg~~a~~ cat~~g~~agg~~g~~ca ggcacaggcc ctgagg~~g~~att
101101 acat~~g~~gt~~a~~at gaagagg~~c~~ac cggccct~~g~~gc tt~~g~~c~~c~~tttct cgagg~~t~~ttt ctgatt~~g~~agt
101161 ag~~t~~gg~~t~~ttt~~g~~ ct~~g~~at~~g~~ctt~~t~~ tggagg~~g~~at~~c~~ taacag~~g~~cc~~a~~ gta~~g~~tg~~g~~tc cagggacata
101221 gtc~~c~~ttt~~c~~ac agagatt~~g~~c aaatt~~c~~cat~~g~~ tc~~g~~aa~~t~~at~~c~~ agggag~~c~~tt~~a~~ ttacatt~~g~~ag
101281 ag~~g~~tag~~g~~ct~~g~~ g~~t~~taat~~a~~tca agg~~g~~cc~~c~~ttt caacat~~g~~cat g~~t~~g~~c~~att~~t~~at tctacag~~c~~ac
101341 ag~~c~~aa~~g~~gc~~t~~ act~~aaa~~a~~g~~c aac~~c~~tc~~g~~at~~t~~ t~~g~~tg~~g~~gt~~c~~a gggatt~~c~~agt gggtaact~~g~~g
101401 ag~~t~~gg~~a~~ag~~c~~ ctttattt~~c~~cc ttttattt~~t~~tttccacca aaagat~~g~~ttt aaat~~g~~act~~aa~~
101461 aca~~g~~at~~t~~gt~~t~~ g~~c~~aa~~t~~at~~g~~at gaagaaa~~g~~t tt~~g~~ag~~g~~at~~t~~ g~~t~~t~~c~~tt~~g~~tg~~t~~ tggctaa~~a~~aa~~g~~
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101641 g~~c~~agg~~g~~tg~~t~~ gggat~~c~~g~~t~~ tt~~g~~cc~~a~~gt~~c~~ aaacaag~~g~~ca~~t~~ gtag~~g~~ct~~g~~aa g~~t~~cat~~g~~ttt
101701 ctatt~~c~~attt~~t~~ c~~t~~cat~~c~~taa caaaacaact g~~t~~g~~t~~tt~~g~~tt cccac~~c~~ct~~t~~tt t~~g~~gtataaa~~ac~~
101761 ctttac~~c~~tcc at~~g~~ag~~c~~at~~c~~ aagg~~g~~ccat~~t~~ g~~g~~aat~~g~~tc~~t~~ g~~g~~t~~c~~aaa~~a~~at g~~g~~caa~~at~~ta
101821 g~~g~~aa~~g~~tttt~~t~~ caaccat~~t~~tc tg~~g~~at~~t~~ttta catttataaa at~~c~~t~~g~~agaagg~~g~~ gagg~~g~~ag~~c~~t~~t~~
101881 ttaagagg~~g~~g~~g~~ ata~~g~~at~~g~~at~~t~~ at~~c~~act~~g~~ag~~a~~ aaac~~g~~at~~aa~~aa t~~g~~gg~~g~~taata~~t~~ t~~g~~g~~c~~tatt~~g~~g
101941 cataattt~~c~~ta g~~t~~cttattt~~t~~tt g~~t~~tgat~~g~~at~~c~~ g~~t~~tg~~g~~ac~~t~~tt tt~~g~~tc~~c~~tg~~c~~a g~~a~~ataag~~tt~~g
102001 agaaccac~~g~~g agac~~aa~~aa~~g~~c tttgaaaaat tag~~g~~t~~c~~act~~t~~ tt~~g~~tag~~g~~at~~c~~ttt~~g~~ttg~~c~~ca
102061 at~~c~~gaag~~c~~tg ttt~~c~~agagat gagg~~g~~gatt taag~~g~~at~~g~~ga aataat~~cc~~cc caagg~~ca~~acc
102121 tccc~~c~~ttttt~~t~~tt~~c~~at~~g~~taag ctataaatt~~g~~t ccataa~~g~~ca ctt~~g~~ag~~t~~act~~t~~ tct~~g~~ac~~ag~~t
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102361 aagg~~g~~tt~~c~~ta gagg~~g~~cat~~g~~ ttttttaa~~g~~ ttatt~~g~~tt~~t~~at~~t~~ a~~c~~tta~~g~~tt~~c~~ct~~g~~aca~~t~~ t~~g~~agg~~g~~t~~a~~ca
102421 tat~~g~~caca~~a~~ac g~~t~~gcagg~~t~~ttt g~~t~~ta~~c~~at~~g~~at~~t~~ tata~~g~~at~~g~~tg~~c~~ c~~c~~ata~~g~~ct~~g~~gt~~t~~g~~c~~acc
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102601 caatt~~c~~ccaa ctaag~~g~~at~~g~~ga g~~a~~ac~~t~~at~~g~~cg~~g~~ tg~~t~~tt~~g~~g~~t~~tt t~~c~~t~~c~~at~~c~~tt~~g~~ cgat~~g~~at~~tt~~g
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102721 tttat~~g~~g~~c~~tg~~t~~ cataat~~t~~tc cat~~g~~gg~~t~~gt~~t~~ at~~g~~t~~g~~cc~~a~~ca ttttcttaat~~t~~ cc~~a~~gt~~t~~ct~~t~~at~~c~~
102781 att~~g~~at~~g~~gg~~a~~c att~~g~~gg~~t~~tt~~g~~ g~~t~~t~~c~~aa~~g~~tc ttt~~g~~ct~~t~~tt~~g~~ t~~g~~a~~at~~at~~g~~tg~~c~~ cacaat~~aa~~at~~aa~~
102841 atac~~g~~t~~g~~tcc at~~g~~t~~g~~t~~c~~ttt at~~g~~c~~a~~g~~c~~at~~t~~ g~~a~~tttataag c~~c~~tt~~g~~gg~~t~~ta t~~g~~t~~c~~cc~~a~~g~~t~~
102901 aat~~g~~ggat~~g~~g~~g~~ ct~~g~~gg~~t~~aaa t~~g~~t~~t~~atttct ag~~t~~t~~c~~at~~g~~at~~t~~ c~~c~~tt~~g~~agg~~g~~aa t~~g~~cc~~c~~ac~~a~~ct
102961 g~~t~~c~~t~~cc~~c~~aca at~~g~~gg~~t~~gaac tag~~t~~tt~~c~~ag~~t~~ t~~c~~cc~~c~~ac~~a~~ac ag~~t~~gt~~aa~~aa~~g~~ tg~~t~~cc~~t~~att~~t~~
103021 t~~c~~t~~c~~cc~~c~~att~~t~~ c~~t~~t~~c~~ta~~g~~ca c~~c~~t~~t~~tt~~g~~tt~~t~~ c~~c~~t~~g~~act~~t~~tt~~t~~ taat~~g~~at~~g~~tc~~g~~ c~~a~~t~~t~~ct~~a~~act~~t~~
103081 g~~g~~t~~g~~tg~~g~~ag~~g~~aa g~~g~~cat~~t~~cat~~t~~ tg~~t~~gg~~t~~ttt~~g~~ at~~t~~tg~~g~~c~~t~~tt~~t~~ ct~~c~~t~~g~~at~~g~~gg~~c~~ c~~g~~ta~~at~~g~~g~~t

FIGURE 3 (continued)

103141 gacattttt tcatgtgtct gttggctgca taactgtctt gagaagtgtc tgttcatac
103201 ctttgcac ttttgatgg ggttgttga ttttttccat ataaattttt ttaagttaaag
103261 ttctttgttag attctggata tttagccctt gtcagatggaa tagattgtaa aaatgttctc
103321 ccattctgtta ggtgcctgt tcactctgtat ggttagttct tttgctgtgc agaagctctt
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103501 tataggaatg ataagaagct gttaaagatc ctctaaagac aaaatctcta agaacaacc
103561 aaggaaacat aagtacttg gtgtaaaggta gtaaggagca cttctcaata gatttccagt
103621 aacaaggcag acagaactga agtggaaaggg agccacccctt ctaaatttaa cagcaaatgt
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103741 aaaactcaaa gccagaactg tgactagagc tgatgccaca gcagatcctg ggaggtggga
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103921 gagaaccacc ttatcaatta caaggagaca gaaaacccctt agtagcccta agaaacaaca
103981 aagaagctct ttagctttaa tacatgttg aaaaaatga aaattgccta cagcaaatca
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104221 aatgcccaca ggccaaaattt gggctactga agatatgctt ataaacaaaa atggcagttt
104281 atataaaagaa actcccatga ggaaacatga taaatgc当地 gtaaatataa aaaggtaaag
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104461 cccagcaacc ttgggaggtt gaggtgggag gatcacctga gtctgggagg tcgaggctgc
104521 cgtgagctgt gattgtccca ctgcactcca gcctgagc当地 cagagcaaga ccctgtctca
104581 acaacaacaa caaaaaaaaa tagggcaatg tgaaaaaac agataagtt gtaaaaacaga
104641 caaataaaac ttttatcaat ggaaaatcgt tgaacttaat agatggc当地 aacagattag
104701 acacagctt gcagggagtt catgggctag gaggtgaacc taaagaaatc atctagaatg
104761 cagcacagag aaataacgc当地 atggagcata taaacaagag gttaggagtc aaaagaagat
104821 attaacaaga aagttcgata ttcatccat tgc当地 tttcaatac aagaaagact agaaagcag
104881 cgggggaagc tgagaatgat ccagaattga aaaaagctaa gaatcccat ttaggagaac
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105001 atggacacaga tgaattatac aagttgtctt ttctgaataa ctttcaatac catgaaagca
105061 attctcattt gcaatttagat taagtacaaa ctgtacaaa tgcaaggagg atggcaca
105121 taaccctcattt attaccattt taccggaaat tccgc当地 cacttcacac aaagatagca
105181 aaacaaagga gatttatttgc catttctatt taagcagcat gtctcgctaa actttcttgc
105241 aactttctg cactaggtct gcactgacat tgatgagtttgc cggaaatggag cgtgc当地
105301 caactcgc当地 tgc当地 ttttggtaag tatttctcac agctgtgtt atcaaagcag
105361 aaccgggttat taaaacaagt gtatgtttat agatcatgc ttccaaacac acctagaaca
105421 tggggcata atatatttgc ttggc当地 aaaaaggc当地 gtttgc当地 aaaaagg
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105541 ttatatttttgc atcaaagttg caatattagg ctattagata actatttattt gatgaaataa
105601 ttatatttgc tgatgat ttttgc当地 aattgtgaag agcttggtag tttatatttgc tagtcc
105661 ttttactggc gactacacaa tccccaaatg gcattatttgc ttttgc当地 actttcaatc
105721 atggggc当地 gagatcgaga cc当地 ttttgc当地 taatattttgc aaacccgc当地
105781 atagaaaaca aatttagccg ggc当地 ttttgc当地 cgggtgc当地 tagtcc
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106081 tgagagatgtt accagatgtt actatcaaga aaagaactac tgattacgtg tatgactatt
106141 tgaaaggat ttttgc当地 ggttcc
106201 tcaaggcact tattttatc ctc当地 cacttgc当地 agggatttattt attatccca

FIGURE 3 (continued)

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106441 gagaccctgt ctccaaaaag aaaaaaaaaga aatgttacgt atttagacta aggtcacaca
106501 tcttccaggt tggctacaga gcctgagttc ttctccgaa tgctatattg ctttaggaata
106561 gatggggatt tattgcttct cagctttac caggacaaag tagtctgcaa atagatttgc
106621 gagatcttgg tgtaaaggta ataactgagc caccttagaga gaaggaaaagt agacagtaaa
106681 tagaactcca ggaaacccc aaaaacgaagg actaggccaa ggaaaaagag cagaagccag
106741 aaaaaggagc gaactgatag cacagccagg gaggctgaaa gatcgagaca agtcatttgg
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107941 attgaagaga ggcagggggta tggacatgt gttgtaaatgtt gtttttgac ttccctatc
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109201 ggaagaatgt ggttacatc agggggata accccagcaa tttctgaat tcctcatgg
109261 tggcttgg tattaccaaa aagcagtcat tgagaaacaa gtgtatatct ctgttgaat
109321 cccatccatc tggtaacaaa ttgacaactc ccctggatg atgggtgatg gggctctaa

FIGURE 3 (continued)

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109681 caggctgtgg ctgaggaagt cactggctcg aaagctttg ggtgggtgagg ccagggaaatt
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111061 aattcagttt acctgttcc attgttctct gagagagtagt gaatagaatg actgatttcgg
111121 agccttccag ctgtgggtgg ctcatgtgg cctgcacatctg gaagacccaa ggtggacttg
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112441 ctatctccca ggctgtcgat tgctgtgag gttagtaaca cgaacttcat gatgtcaat

FIGURE 3 (continued)

FIGURE 3 (continued)

115621 agctcagtc tgcgttttat aaagcagacc tgctgcattc acaggattc tgctgttga
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FIGURE 3 (continued)

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120601 attttgtat ttttagtata gatggggttt caccatgtt gccaggctgg tcttgatctc
120661 ctgacccctgt gatccacccg cctcggccctt ccaaaatgtt gggattacag gcatgggcca
120721 ctgtgccttgc ccatagcttta ttatttatc ttgtatctcc cagtgcttag cacaaggct
120781 gacatctact acacgtggca tgaactgtatc atcatgttagg ccaaaggatgt ctgacttctt
120841 tctttatagg actttttgt tgggtttttt taagtattttt cgggagtttag gaggctttag
120901 gctgtgttgc tggaaatgttag atagtgtttt tcttcattttt aacttgcaga tcaacaccca
120961 tccttagccta tggatgtat ttaggaagga gtactgagtg catttcctc atcaggccag
121021 gaaaggagcc ttgtggaaaa aagaaaatca tgagggcaaa ttcatgtttt gtttcttctt
121081 gtgacattat gtcaaattgtt ctctttttt ctcacagtga gatgtatgtt ttctcagccc
121141 tattaaaggccc aatggccctt ttttattata aatatttttta aatggccctt tttccgtccc
121201 aaaatggaaat catagaaatt acaacctacc tacacgtata atcttagaaaa tcaatgttag
121261 ccctaacaat atcatagaga aataagaata atttataaca aaataattta aatatttttag
121321 cacagccaca ccagaagaca aaatgaaaca gacacttgca cccatgccta gaatcactac
121381 gaagggtgaca ttctaaacaga ctgtgtgtc agtgcattaa atgtttgtt cactgggtga
121441 tgacagcaat gtaaaatttctt caaatggtac acatttttaga atgttaattt tcaaacaat
121501 tttctcaatt taccctggaa aatatagtttt atattaaaat ttgtcaaaaa tataactgt
121561 gtttacaagt gaaagtgtttagt cagggttcttag gcccgtatag ttgttcttta cctaccctgg
121621 tggctgtggaa acactccaga agtgcatttttta atgcaggaca gttttgtt gttctgc
121681 gggcatttgc cggccatccag catccctggc tgccatctact cagtgccact gtgacaaccc
121741 aaagtgtccc cacagattcc tccaaactcta ctttagggatg gctgttctt gttggagaatc
121801 attgctctga gattccacca aaagatataa atcagaccaa agaaaaagcc aaagtttttta

FIGURE 3 (continued)

121861 agcatggtat ctagacaagg caactcacat gacaataaga cacaaaactt tctcactcaa
121921 gatagcaggt ttggtttgggt ttgatttttta actcaagttt gatagtgtga ccaacatcat
121981 gtttaggcctt gtgagagaca gaagttggga agaaaacaccc cccacccccc tccacacaca
122041 cacggacaca cacggccctt gccctcaagg acttccagtc tagtaagtaa gtggcaacag
122101 ctacagtaca atccaggtca gcgaaaaatg gagcctaaaa cagagcaaag aaagacgcag
122161 gtaegtataa gaagtggggc ccctgggcct cacagtggc actttacccc gggttggatt
122221 tcatggaggc ccctccggcc gtgttgcgg cagggtaaga ttttatgaag gctctgagtt
122281 ggtggctgac tctggcgtca ccatacacac cacaatgcgt ggaggccgac ttggcggttt
122341 ctgcttctct caagaaaaca tcatctggtc caacctcaag tatoctgca atggtaatgt
122401 gcattctcggt tactgttcaa cattgttact agaatttagtc aaacactgcc accttatttt
122461 tataccgcac ttccccccca aaagcccaac gctcatacca catagtcatt aaacacgtat
122521 agtcctgtg taccagaagt aaaaagcaga tcacatttt cctattttat ccatgtggaa
122581 attaagaccc atagaattta actgcattgtt tttagggttt gggttcagtg agaaatccag
122641 tcagatttaa ttacaggaa gcctttttt tcatgtggtt aaaacataat cacagatgca
122701 aaatccatcc tgccctgctga ttttctgcac ggccggaaag gagcactcct gggctttaag
122761 ccaacgggtt gcaaaggcagc ctgcaggaga aaatggccgc gagggcctgc ggggctgc
122821 gggccggctta acagcgcccc ctacaggacg cctgagccgc gggccgggggt ccggggctcg
122881 ggggtggaaagg agcctcgctta acctccctgt gcccatccctt attgcagaca ccatccctga
122941 ggacttccaa gagtttcaaa cccagaattt cgaccgcctc gataattaaa ccaaggaagc
123001 aatctgtAAC tgctttcgg aacactaaaa ccataatatat ttaacttca attttcttta
123061 gctttacca acccaaataat atcaaaccgt tttatgtgaa tgtggcaata aaggagaaga
123121 gatcattttt aaaaaccgtg ttgctcagac attgctctca cgtggctcg gctttgaggt
123181 gcccttctc ggagggatcc ctgttaactt gcaggggtgtt agtttctct cagacccgg
123241 ggccgataag atgagcctat gcgtgaatca caaggcccag gccagaggc tcagctgggg
123301 tccccccagt ttgctccata caaaacgcct aaccgttcca tgctcacctt ggcagectcc
123361 ttatttcggg taaggggtct cagaaacacg tgggggtt ggcaccccttcc ctagggaggc
123421 gttttctga cctagtcctg ggacagattt gcccaattttt ttctgtatgt gtcatcccat
123481 cccacacctt ccacagactt ctattctggc cccttcaacg taattcttaa gcttattttat
123541 atatttggct cccccctagtg gactgttaagc atattgacaa taaaggatca tgtcatttaca
123601 atcaatatcc ccacagtacc tggaatgttag taaatagccca gtaaatgtttt actgaattaa
123661 taaacgaaga atgaatgaat gaatgcctt taaaggacag tagagtgtac atgatcataa
123721 aagtccctt caactaaaaa agtcacaaca tattcttat ttgtggtacc agtagctgga
123781 tgtacagcac agaaacttgc ctaatttgta cactagcctt tcttggattt caattgtaaa
123841 tcaagatcca agcaaattttt tataattttt ctagaattttt tggggtaaag aatattgtcg
123901 tgcggttata tattttctta ttccagaattt cctagagata tattaaatca tgtatgaaga
123961 aaaaaacacc acagttttt catgacttta acagtggaaa aatacaatgg tgcacatgc
124021 agatctggag gatttctgga catccctcctc tcatgtacag cctggagatg tgggtggc
124081 tgtaatccag gacatctgtat ctccatcatac aaaaactcca atggggccag gtgtggggc
124141 acttgcctgt ggtcccaagc actttgggag gccaaggcag gcagatcact tgaggccagg
124201 agttcaagac cagcctggcc aacgtggcga aacccatctc tactaaaaat aaaaaaatta
124261 gccagggtgtg tgccacttg cctatagtc cagctatttgg ggggttggaa gtgggagaat
124321 cacttgagct ggggaggcag aggctgcagt gggcagagat tgcaccactg tactccagcc
124381 tgggcaatga gagtggagct ggtgaaagga ggcagcaacc cacccatgc ccacccctgg
124441 ggcagectcc ctgttgcgg ctgtgcacgc ccaagaacgc agtatgtcca caggaaacag
124501 actcttggg ttaaatcttt tgggtctata actatttttag aaaccatggg cccacaggag
124561 atccagaaca taattccatc ctttagggag cttattacat ttttggggaa aaaaaacttg
124621 ttattttatgc aaaacaagaa acaaagacgc atgtagaacc agcgtgtgc tgaagccaa
124681 tccttaccagc tcataagagc caactattca agtttttagga atattgttag ccagttaaac
124741 ggtggtagt ttgaaatgg ccatgggtgg agtatttaca cagaaactgg caaacactac
124801 aaatcagggc tccagagaac tgggtgttaa atatttataca gcacacaagt gattattcta
124861 ccttgcctta ttcttagtttgc cccctcccttta tattttgaa gctgtatgttag aaaaacttgag
124921 gcttcagaa aatttcttgc ataagaaaatg aagtaagaaa agtggaaaatg ggtgggggtgc

FIGURE 3 (continued)

124981 tatggctcac acctgtata tcagcacttt gggaggccctt ggtgggagga tcgcttgagg
125041 tcaggagttt gggaccagtc tggccaaacat ggtaaaaccc catctact aaaaatacaa
125101 aaattaggcc aggtgcagt gtcctgcct atactcccag ctcctcaggt ggctgaagca
125161 caagaatctc ttgaacccgg gaggcggagg ttgcagttagt ctgagatcgt gccactgcac
125221 tccagcctgg gcgacagagc aagacgtgtc tccaaaaaca aaaacaaaaaaa aaaaaaaaaaag
125281 tgaaaatcag gaagcactt agagaagcta gccagttgca gactgacggg atgagctagc
125341 aggtgtggta tgctctcccc caggttaactc cctgggcttc ttggataactt gttataactca
125401 accttagcac aatgactcaa attccattt cagttccatt aggttagtaa gagcctcatt
125461 tgaatcttac acctcttagga ctgagttggcc atcagtctt caccactag tatgaattca
125521 ttccaatgcc cattcaccc tcgactttt atggagatcg agaagactga ggagctggc
125581 atgggtgtgt gcacctgtgg tcctggctac ctggggaggtt gaatggggag gatcaacttga
125641 gcccaggagt tcaagtccag catggcaac atagcaagat cctgtctcac tttttttt
125701 ttttttaag tactggggga atggggggcg tggctggaaa agaaaagagg cattgtca
125761 gtggggaaat gggaggcgtg gctggaaag aaaagaggca ttgtcaactgt agggaaaaga
125821 tcatggctga gtagaatccc acgggaagtg tggagatct ctggggcag gatgaggc
125881 ctggggcag ccagaggagg cctggggca tggagcagg tgcacaaagg gatgtgcagc
125941 ccttttgc tacactcaag aaaaaggaaa aaaaaactt tcctctccc catccaggtt
126001 attagtcccta ggctccagaa gtattatggt gattatccctt aggttaattt tggagacagg
126061 ctataagtt aaagagaatg aggaagatata agaatccagc cacctgctat taaaacatct
126121 gtaggcattt ttattgcctt aggctagaag ataactggaa acagactcaa gcagaaaaaa
126181 agaatcttgtt ccagaagtga ggccgtggc aaactagata ctgtacagca taaatctagg
126241 ggtgagaggt ggggtcccccc tggtttggat acacgcctgg ggtccccagt aacatcgga
126301 ctgtaagggt ggctcaaccc ttcaagtggca tgaagaaacc ccctgcagtg tccacagctc
126361 cgcacatttac agccccggcc aattttgtca taggcacccctt caggagacag agacgctcac
126421 cccaaatttc ctggggcagt atagttcca cagttgggtga ggggttttta ttccagagaa
126481 ataattcttag tactatagaa ttaagtatag agatgatgaa gtaaatttga cccatcatcc
126541 taatattttt gtgtgggtt ggggattat gtttgaatat gtggcaacgt acttggaaata
126601 tctaagagaa ttggcataaa ttagagaatg caaatttgaac ttgtgattcc agtataagaat
126661 gcagacagat gctttcacc taaaatggg gctatgtcct aataaatccg taagttgaac
126721 atatcttaag tccaaagtgc atttagtact ccaataaaacc caagtcaaaa gtttaagtca
126781 tccatcatga agtccagata ctccctcaatt taaatagggt tatgtttga taaaatcgt
126841 caaaccatca ttagttggg gttgttata gttgaatatt tggtttatca tcatcatcat
126901 tatttagtattt attgagacag gatctcaactg tgcctcaggc tgcagtgcag tgggtgcagtc
126961 tcagctcaactg gcagcctcaa cctccctggct caaatagttcc ttccacccca gcttccaag
127021 tagctaagac ttacaggctc ataccaccat atccagctaa ttttttctat tttttttgt
127081 aaagatgggg tcttactgtt ttggccaggc tggctcaaaa ctccctggct caaatgatcc
127141 tcctgccttg gcctccaaa gatagtattt gatttttagac ttgtgatttt aagtcagaag
127201 gtaggagaat ttgggtgaat atgaaaatata ttagatgattt aagataattt ctcatccatt
127261 atatacattt ttaaatttttta caagttatata aagcacatag gtaggttca tcaaattgaca
127321 aaaaatgca taaatgaaat ttaaattatata tggttttatata gttacaattt agcatagtt
127381 gtcataaattt aatataatttca atttataat gggattttaga gtgtttaagg aaattttaatt
127441 aagtttgcac atgggactaa acattatca aagcctaaa agtgcattata tattttgtca
127501 tagagtaata agtagatttgc catatttata gaatatagtt aagtaatacg attttttaagt
127561 tgaattttt aacttaagggt ttgttataat gtaacttttca tcaacttata attttttttt
127621 caaagtcacc ataaatttgc ttgttataat aagacaaccc ttccttcagg aataaggaaat
127681 gcctcctaca agtccacat ttaccaccc tggccaaatc gttgtttaat aacctcagac
127741 aattgacatg cacccttacat ttccctgaggc agtagagttt ctttagtgaa gaagggttt
127801 ttattccctga gaaataatttca tacaatttgc ttttttttttttttttttttttttttttttt
127861 ggaccatca tcctaatattt ttgtgtgggt gcttggaaat tatgtttgtt tatgtgccaat
127921 agtacttgaa atatctaaga gaatttggca tacagaatgc aataattca atgtgggatt
127981 ctatgttt
128041 cccacggcaaa gtcagaaata tcataagtga aaatgcattt tatatatata tatatatata

FIGURE 3 (continued)

128101 tataatatatt tttttttttt tttttttttt tagatggagt cttgtctct cggccaggct
128161 ggagtgcagt ggtgcgtact cggctcaactg caagctccgc ctcctggctt cacgcccattc
128221 ttctgcctca gcctcccgag tagctggac cacagacacc caccaccaca cccagctaata
128281 tttttgtatt ttttagtaa agatggggtt tcaccgtgtt agccagcatg gcatttaata
128341 tcttgataaag cccatcataa agtcaaaaaa atcttaagtc aaaccattat aagttgggaa
128401 ttgtctgttag ttgagtattt gatttcagac ttctgatttt aaatcagaag gtagggagaa
128461 ttgggttgaat tttgtaaatg atactgaggt ggttcagata atttataatc cactgtataa
128521 atttttttaa tttacaaggg ttatattaatg gcgttaggcag gtttgtcag acaagtgaca
128581 taaaaataaa acattataaa tgcaatttaa atttatgtta taatgtattt caaatttagca
128641 tagtataattt ttataaatat attaaatttt taaatggaaat ttagagcatt taaagaaatt
128701 taatgtttaatg tacaaaatggc actagacaat caaaagctt caagtgatta taaattttgc
128761 tataaaagtaa taagtagatt tttttttttt tagatgtgtt agagtcgtaa gatttttaag
128821 ttgaacttct atacttaagg ttttgtattt tgtaacttta atcaaacatt aattttaaaa
128881 accagtccacc ataaattgtg ttttctgtgt atgaaaagcta cccttataag caaataacaa
128941 aatcaataaa aaacagcaca gtgacagtcgca gcactgattt ttttttttatt gagggggtgga
129001 gatctggaga actgcacatctt caattccaaa taaggggctt acaatcatcc cagaacactg
129061 cccttttcta cattggggac tttttttttt tgtcacccga cagagggtt aaggacctt attcaagctt
129121 ccctgactcc agggcatcac tttttttttt caagcagctg gctgcagcaa cgctggggc ctgagctatc
129181 ctgtgttcag ctctcaaacc tttttttttt cttttttttt cttttttttt cttttttttt
129241 cccaaacttgg ggccttggtg tggcgatgtt gcaaggagca cttttttttt cttttttttt
129301 catcaaaaaat tttttaaggatg cttttttttt cttttttttt cttttttttt
129361 gacgtccaga atgaaaagctt cttttttttt cttttttttt cttttttttt
129421 gcttatttcc ttggctcata tttttttttt cttttttttt cttttttttt
129481 ctcaactatg gagttggacat tttttttttt cttttttttt cttttttttt
129541 ttatccca aatttcaccc tttttttttt cttttttttt cttttttttt
129601 aacataaccc tttttttttt cttttttttt cttttttttt
129661 gtcttcctag aaccagggtt tttttttttt cttttttttt cttttttttt
129721 cgtgaccata gtcacccatcc tttttttttt cttttttttt cttttttttt
129781 ctgtgtgaac ctttgcagcc tttttttttt cttttttttt cttttttttt
129841 cccacaggcc tcccttcctt tttttttttt cttttttttt cttttttttt
129901 gaaggcttat tttttttttt tttttttttt cttttttttt cttttttttt
129961 cacttaccc ctgtatgac tttttttttt cttttttttt cttttttttt
130021 ccctaataaca acacttttga tttttttttt cttttttttt cttttttttt
130081 gagcccttgtt gaatggatta tttttttttt cttttttttt cttttttttt
130141 ctgtctctt tataactctt tttttttttt cttttttttt cttttttttt
130201 tcttttaccag ataccagcac tttttttttt cttttttttt cttttttttt
130261 atttcccttc tttttaagtc tttttttttt cttttttttt cttttttttt
130321 ctaagacact cccacaaaacc tttttttttt cttttttttt cttttttttt
130381 ctagaacatgt tttttttttt cttttttttt cttttttttt cttttttttt
130441 cccagagtttcc actctgtccag tttttttttt cttttttttt cttttttttt
130501 gggtaatataat cttttttttt cttttttttt cttttttttt cttttttttt
130561 aaaaattttt tttttttttt cttttttttt cttttttttt cttttttttt
130621 ggctcaagca atccctccac tttttttttt cttttttttt cttttttttt
130681 cacacgtggc cttctactgt tttttttttt cttttttttt cttttttttt
130741 cagatcactc accctagaaa tttttttttt cttttttttt cttttttttt
130801 ggtggcttag cccagttccc tttttttttt cttttttttt cttttttttt
130861 ggatacactg gggcgccgg tttttttttt cttttttttt cttttttttt
130921 gcataagtttccctt cttttttttt cttttttttt cttttttttt
130981 aagcacaata gaatttcaact tttttttttt cttttttttt cttttttttt
131041 gtgagcatct gctgcctcat tttttttttt cttttttttt cttttttttt
131101 tttttttttt tttttttttt cttttttttt cttttttttt cttttttttt
131161 ctcactgcaat gctccggcccc tttttttttt cttttttttt cttttttttt

FIGURE 3 (continued)

131221 ctgggacgac gggcaactcg caccactccc ggctatTTTT tttgtatTT ttagtagaga
131281 cgaggTTTca ccgtgttagc caggatggc tcgatctct gacTTgtga tccgcccata
131341 tcggcCTccc aaagtgcTgg gattacaggc gtgagccacc gcccggcc tagTTatTT
131401 tttgcagca cctattAGAG taaACAGTAG cAGATATCTA atgtctaAGA aaaATTTATG
131461 gaaggaAGAT ttGAACGAAA aTTTTCTCC attAGCATAT tTTAAGGAG tTTCTCAC
131521 aacaATTCCA tcccactcct acccCTCCTA ccAGAATTCT gaggatcagg gcttgagaac
131581 taacatCTCC aaAGTCCCAG tagCTCTGTG gTTTCTACA ggTCCTGGA ggataaggac
131641 cgtGCCATGT ttATCTCACc CTCCACCTCT caataAAAGTA caaATTGTG gaattGGCGA
131701 ggccaAGAGG cCTCAAATTC ttGTATCTTT catATCATCC actAGGGGGC agcaatCCTC
131761 taaaATAGC ccCTAAACCA gCCACTTTT tagCTAAAG atGACTAAAT tTCATTTAAA
131821 gtagaATAAC aaACGCTGT aATCCCAAGCA cTTTGGCAGG cCGAGGGGG cGGATCACGA
131881 ggTCCGGAGA cCGAGACCAT cCTGGCCAAC acGGTgAAAC cCCATCCCTA cTTAAATAC
131941 aaaaATTAGC tgggtgcGGT ggCTTGCGCC tGTAGTCCC gCTACTCTGG aggCTGAGGC
132001 aggagaATCG ctTGAACCCG gggAGCggAG gTTGAGTGA gCTGAGACCG CGCCACTGCA
132061 ctCCAGCCTG ggCAACAGAG caAGTATGTG tCTCAGGAAA aaaaaaaaaa aaaaaaaaaAGAA
132121 taacaACAAAC tacaATTAT taaACACTTA ctCTGCTCT AGCACTATGT tATATGCTAA
132181 tagTTcAGGG ctTAAGAAACA attTTATTGG ccAGGAGTGG tGTCTCATGC ctGAAATCTT
132241 accACTTTGG gaAGGTGAGG cAGGAGGATC gCCTCAGCTC agGAATTGTA gACCAGCCTG
132301 ggcaACATAG tgAGACCTAT ctCTACTGAG aATGTTTAA taATTGCTCA ggcATGGTGG
132361 tGTGCACTGT agTCCCAGCT acTTGGGAGG ctGAGATGGG aggATTACTT gAGCCTGAGT
132421 ggacaggCTG cAGTgAGCTA tgATTGCAcc cCTGCCCTC agCTGGGTG acAGAGCAAG
132481 accCTGTCTA aaaaaaaaaaAGA actCTTATTt atCAAAACGA acATCTCAAC aaaaAGCAAC
132541 aaccACCAcA tagGAAGGAA accACCAcCT aaACGTGAAT tATTGCAACT tagTCTCTGA
132601 acGAACACTG aAGCCTGCT tTCTTTAGG tATTGCTTCG caAAAGACTC tGCCTTGTCC
132661 ctCAGCCTAA attCACAGGA tagAGTCTC tCCATGAGCA aAGCAAAGAG ccATTCACT
132721 atCCACTCAT cATTCACTCA ttCTTCAGAC acACACTGAG caATTACTAC atACCAGGCA
132781 ctGTGCTAGA tactGGGAGG gATTTAAA gTACACAAAG ccAGTCCATT tTAGTCCAGG
132841 cCTCTGTATG actGAAAGCC ttGTCTTAC tATTAATAAT actGATCATA actGCAAAAT
132901 tATAGTGTAG ttTAGAATTa aATGAACCTG gCCGGGCGCA gTGGCTCAAG cCTGTGATCC
132961 cAGCCTTA ggAGGTGGAG gCggggCAGAT cACTTGAGGT tagGAGTTG agACCAGCCT
133021 gggcaACATG gCAAAACCCa tCTCTACTAA aAATACAAA attAGCCACg tGTGGTGGCA
133081 tgCACCTGTA gTCCCAGCTA ctTGGGAAGC tgAGACAGGA gaATCACTTG aACCTTGGAT
133141 gcAGAGGTTG cAGTAAGATT gTCCCAGCTG acTCCAGCCT gggCAGCAGA gggggattCC
133201 atCTCAAAA aaaaAGAATT aAATGCACTT caAAAGCCAAc cACTAGATT tCTCGCTCTG
133261 ttTAGAAGAC attTTGTTGT tgTAAGAAACC cAGACTTAAT cCTGAGAGGT ttTAGCgggg
133321 tCTAAAGAGA gCCTCGTCTT aaACATCCCT gCCAGGAAGA acACTTCCAG ggAGCAGGGG
133381 gcAGGcAGCT tCCTGGCCCA ggACAGTCTG catGACCTAA attACTTGAG tCAAAAATTC
133441 ttTGGGCCAT atAGTGTttt gGTGGTTGCT gTTGGGTTT CTATTTGTA acTTGAGCAA
133501 acATTAAAATTt ttTGAGTGTt tttAGACAAA aACCTGGATT tCCAACTTCT CTTTAAAAG
133561 tCAAAAGCTC cAGCCTCCAT ctGCATTCAc gCACAGGAAC CTGAAAAGG gCCTGTGTTG
133621 tCCATGCACC gCAGTGTCCA cACATGTAAG ttCTACCTG acTCTGTAAG tgATCGAGTA
133681 tgAGAGTCCG tactTGGGAT ttCCCAGGTA CCCTGTGCGG CCTGcAGGGG atATGGAGAA
133741 gGTtGGGACT caACCCCTCT tGTGGCAGGC cAGGTCTCAC gaATAGCTAA acAGGcAGGC
133801 ctCCATGACA actGTTTCAg cACTGACTGA gTGCTTAGGT tAAACATTAA aggCTGCAAG
133861 agCCAGTGTc cTTACACAAA ggCTGGAATG tgACAAAAGC cACCAAGAGT CTGCTCTAGG
133921 cTTTCTCTGG gCCTTGAAGC atGACAAGAT aACAAAGAAA ttCTTACATT CCTCGTACCC
133981 acGTTTAGGA tAAACACGT ttTATTAGGG gTCAGCAAAG aACTCCCCAG accGCCATAA
134041 cTCAGCGGGa ggCAAGATAA gggTAATCAC cCCCAGCACC tggACCCATC tagTTAAAT
134101 aaACTTACTG aggCTCCGGA ggaAGGTCTC cAGGACTCAG atCTTAGTTA tggATTACAG
134161 ggaATCAGTC acTTGTGTCT ttTGTATGAAT ccACACCTAC atGTAGACAT atAGCTCAT
134221 ataAGCACTG gAAAACTTG tAAATATGAG tCGGTCTGGT gATTTTCC tggCCTCTG
134281 cCTGTACCGG gTTACAGAAA tAAACTCTCT tCTTCCCAG ttTATCTGCA tCTCATTACT

FIGURE 3 (continued)

134341 gggccatgag aacaaggcgc ccaaccctca gttcagtctg ggaacactct ggctaacaac
134401 ctgttagggg ttgtcaccac tgccctggaga ggataggggt acactggggg ccagccgaca
134461 ggagctgagg tctcaggtag aagattccta ctttatcaat agatggaaag agattcaaac
134521 ccagcatcac tgactctggt tccaaaatct gaaattctt tatagcgaca gcacacattc
134581 accaggtatg cagagaagag ttaacagcag gtccgagatg gctgctgatc ttttagttaga
134641 aaggcctaat tgcaaaggta gcccctggct ggtatctgag cacttggctt tccagagtgt
134701 tccaccatt tctgaaactg ataagagtgg ttcaccatgt ctgactgta cagtgtggtt
134761 tatgctgagc atctgcttc ttctctggag ttggaaatttt ggtacatggg agggagaagg
134821 tgcctacaag acgagaccc aataaaaaacc ctgggttgg agtctctaat gagcttccct
134881 tggccaaac atttcatatc cttgtcaca actcattgtc gggaaatta agcacatatt
134941 atgtgacttc cacctggaga agactcttgg tagcttgcctt ccctgggtttt ctctggactt
135001 ggccccatac acttttctt cttttttttt ttgggtgtg atttgcctt gtatccttc
135061 actgtataaa attataactg taagaataac tagatgtga gttatgcttc agccaatcac
135121 tagattctat ttagaggcgtt ttttttttta tgaagaactc agacttactt aatcctgaga
135181 gtttttaccc gggtccaaag agagccttgc tctaaacatc cctgtctaga aagcctccga
135241 tgagactttc tagcaaaacca cttaaatgtt gttggcttgg agaccccgaa acatcagtca
135301 actatctcca acaactgaaa gaggcttgg gtttacaaag tgcaaaagaat aattggggtg
135361 ctaggtcatc acaggcatca ctaatgagaa aataatggaa aacagggggc taaaaggta
135421 ggccaatcac cacaaaacac ctgcagagct ggagaagcaa aactcaaagt ggagacccct
135481 gagattggac acatgacaag ggacagagtc taactgaagt gtttatttg gttagtc
135541 taccttagaga aatttaaggt gaggcgtca ccccaatac cagtccttacc cttcttcat
135601 agtcatagtg tcccaaattt ttgcaggaac ccagatgccc agaataaaaag attataacttc
135661 ccaggtgagt tggccatc taagttctga tcaatggcat ataagcaaaa aagttcatgg
135721 tagttctgg gaatcttctt ctaaagaggg ttaattttttt tttttttttt taaatggagtt
135781 ctcactctgt tgccaggctg ggggtcagtg gtgcattttt agtcactgc aaccccgcc
135841 tccccgggttcc aagtgtattt cctgcctcag cttcccaagt agtgggatt acaggcatgc
135901 accaccacac ccggcttaggt ttcaccatgt tggccaggat ggtctcggtc tcttgcaccc
135961 atgatctacc tgccctggcc tccgaaatgtt ctgggattttt aacgtgagttt caccacgccc
136021 agccagatca ttaatatttc ttattcgtcc tcttattccct cctctctaggc tggaaatatgg
136081 atataatagc tggagttcca gaggctgtct tggatgttgg agaaaggctt gggaaatagaa
136141 gcgtcatcac agagaacaag atagaactga caccgtggag taacatacca gtaacagacc
136201 ataagatttc tatcaactgga ctttggatggc atgaaaatc tccatctgtt cttggggctt
136261 tactgttact tccagctaaa tttatcctc cttatgtca aagaaattcc ggtatggggaa
136321 gtgttataa agtcatgtat ccagaaccat agactcacca aatcttagat ctgaagagtc
136381 atcaggaagc tttttgtttc agcctttca ttttacagtt ggaaaaactg aggccttagtc
136441 acctctgtgg tttgtcagggtt acatggctt agttaggagc aaaactgagg ccagatccca
136501 gttttgggg ctacaggctc atggttctca ttttccctgtt atgagaactg cctcaggtag
136561 gccaggggcag gggtaaaagtc caaaagggggg tttctgtcta gaggactcaa agaaaaaagca
136621 gtgtcggatt gccgtagctc acgcctgtaa ccccaagcact ttggggaggc gaggcagggt
136681 gatcgttgc gcccaggagt ttgagaccag cttggcaac atgtaaaac tccatttttt
136741 caaaaaatac aaaaattagc tggatgtgtat ggtatgtgcc tgcgtccaa gctacttgg
136801 agcctgaggt gggaggatag cttaagccct ggaggttgg gtcgtcgtga gctacgtgg
136861 taccactgca ctctagccctg ggtgacagag tgagactcta tctcaaaaaa aaaaaaaaaa
136921 aaagaaaaaaga aaagaaaaaaa aagaaaaacat gtcgtatagac tgcgtatgtat gaaatttc
136981 agatctctg ggaggccatc ccgttccag tttcgatggg cagagactca acagtgtgaag
137041 gcaggtatga cctggggactt ctcaggcccc agcttccctc ctcttcaccc tccctctcacc
137101 catcagactt cacacccccc tcttccctgt gtgttcaaaac ctaatgttat acagagtgc
137161 tcgaacccat atggtgctt gtgggtggac cggggctaga tttcaccctt cctgtgc
137221 cttggccagt ccctctatga agtacacaga ccgacaaccc tttacagagg actgggctt
137281 acaaagagct cgcttggatc catcttgctt ccctgtgcgc accccggcccc actcacaccc
137341 agggagtttcc ggcctgtgt gaaacaccgt ggcagatgtt ttgggtggccct gcccatttct
137401 ttcactttgtt cattcacgga tgcgttcaagca ccagcacctg cagttttttt tttctgggt

FIGURE 3 (continued)

137461 tcctctggtg caaaaagctgc tttttctgcc tatgttggag gtgcggggga ttttaggagac
137521 ctaaggaatg ggctccagt agatgaaggg aacgggtgtg taaagcctca gcccctcgcc
137581 tggggggggc tgagtctgag gaatgtgcc tgcattgttc ccgcattgatt aggcctcagc
137641 tgcccccagt ggttaaggccc ctctcctccc tctcctccct ccccagtcta ggggtgttc
137701 acctcccaa taaagagggt tcactcatcc ttatctcagg gtctgcttct gggggagctg
137761 accagaagca aacccctcctc agactcaga ttttacttac tccaaaattt gggaaatattt
137821 agtttgaaca gataccctgt gctaaaagc atgcgcacag acatataat agaaaatttcg
137881 ggccgggtgc agtggctcac gcctgtatc ccagcactt gggaggccaa ggccggatcac
137941 ttgaggccag gagtttgaga tcagcctggc caacctaggg agaccccatc tctacaaaaa
138001 taattattta gctgagtgatg atggtgaca cctgttagtcc cagctactcg ggagactgag
138061 gtgggatgtat cacttgagcc tagtagttca agactacagt gagccatgtat ggccaccacg
138121 tactccagcc tgggtgacag agtggagaccg tatctcaatt aaaaaaggaa atttccaact
138181 tttctctgag cccactaccc aaagacaatc atatgcctca gcaactcagc tgagcttac
138241 tgcccttcca agaatagctt agaaatccag taaggacaat gaaaactaga aaaaatgaaga
138301 gacactgata ctggatctaa ttcatatttt taacccactt caccacctgc aatcacaccc
138361 acccacagcc ttcaagttt gctcaatgg tatctgttag tcagcaaaagc tactgggagc
138421 acacactctg cccctgcgcc atacaccctg ccccaaaaaa ctgtcttattt atggtgattt
138481 ccccaacttctt agtctctctg cacagaatgg tgaagaaactt gcattttgggtt ttttcaact
138541 atttttcagg ccgggcacag tggctcatgc ctgtatctc agcaacttgg gaggctgagg
138601 tggcagatc acaaagtcag gagttccaga ccagcttggc caacatgggtt aaacctcgcc
138661 tctactaaaa attaaaaaaa ttagccaggc atggtggtgc gcgtctgtat tcccaact
138721 tcaggaggct gaggcaggag aaacgcttga acctgggagg cggagggtgc ggtgagccga
138781 gatcacgcca ttggcccttcca gcctggcga cagagcaaga ctctgtctca aaagaaaaaaa
138841 agaaaaaaa aataaaaaaa aaaaacctat tcttctgcac cctcaggaga atgggcccagg
138901 aacatgctct tgaaacaggc tgcttgcctca gaaatacatt tccatattt caggcgcagc
138961 tgcacttctt gctggaggcc tggggcttc ttgagaactt ctgtcttgc catttgcac
139021 atgccaaca gggaaaattt attcacagaa actcagaatg ccagattctt cttccctccc
139081 aactcaggga tcccctcaag agcctgcctt acagctgtt tcttcttcat gaacacccca
139141 agtgacaggaa aactcaccgc tttatgtatgtt agcctatctt atttggaa ggctctagtt
139201 actaataatt ttattttttt aacatcatct attaaacatt tgctatgtgc cagccttat
139261 taaaagtaat ttaactagcc aggtgtgggtt gtgtgcattt gtggccaa ctacttgaa
139321 ggctgaggca agaggattcc ttgagccctt gagttcaaga ctgcaggatg ctatgatcg
139381 gccactctac ttcaaggccttgg gccacagaac aagaccttca ctcctttaaa aataaaaatt
139441 aaatgaaaatg tgcttaaccc ttgtcaactt atttaatcat gacaacaatc ctatgaaata
139501 gatgttattt ttattttttt acctgacccctt acaggcaagg aaacttacag cacagagaag
139561 taaaataattt gctgaagatc acagagcttgc ttagcaatgtt gcagaatgc atttcaaaaca
139621 aaaatggcc ttggagatgtt ttcctctgtt gccttttttcc tacttggggc agaaattttc
139681 catcctataa gtgagccctt tttagtccag atccttgcattt aattgtatgtt agtgcagg
139741 accctttcca tgctactgtt catatggtca caaaaactctt catattttt cagggaggatc
139801 atcttacccca gtccttggac cccaggatcaaa gaaccacaggc taacacaaaaa taacgttgc
139861 cttgttatcta ttggaaattt ctcttatgaa cttttttattt tcttaacagac ttctccaaag
139921 cttaattttt cttatttttt ttttttttcc agacagatgc ttctctgtt gcccaggctg
139981 gcatgcaatg gtacaatctt ggctcaacttgc aacctctggc ttctgggtt aagtgtttt
140041 cctgccttag cttcccaagt agctgggattt acagatatgc accaccacgt ccagcttatt
140101 ttgttatttt tagtagagat ggggttccat cgtgttgc aggtgttctt cgaactcctg
140161 acctcaagag atccaccat ctcagccttc caaaatgttgc ggattacagg catgaaccgt
140221 cgcggccggc caattttccc agttcttgcattt gaaagaatgt tcaaccacac caataactcaa
140281 agatagacaa attcaaataa taaggtaag gtgttatattt gtacctttat aacaacaaac
140341 aactataaaag aaaatactca aaaatcaatgtt gctggccagg tgcaggatggca gacacccatc
140401 atcccagcac ttggcaaggc caaggcaggat ggtatcttgc gctcaggatg tcaggaccag
140461 cctggcaac aagatgaaac cccatatttcta caaaaaattt gccaggccacg gtagtgcgc
140521 tgcgtatgttgc gctactcagg agactgaggtt gggaggatgc cttaagccttgc gaaggccaaa

FIGURE 3 (continued)

140581 gctgcagtga gctatgatca caccactgca ctccagccca ggcaacagag caagaccctg
140641 tctccaaaaaa aagagtgtg ggagggttgt actcctgtg ctgtgttat ggtacctgt
140701 tacactacca ttagaaattt ggcaacacac agggaaagact gatgaaaaca cccataagct
140761 tttgaccggg taattctact cctcaaattt attccaaaaa aataatttag atggaaataa
140821 aagtccatgt tagaaagata tttatagcaa acttttctt aagagccaga aaaaaaaaaa
140881 aacaatgtcc aaaaaaaacaa ctgggaaatt ataagcaat atggtcatta gcttaatgga
140941 acatataaaa taatgaaaag cattaaaata acatttagga aaaaatgtgg aagggtggaaa
141001 tcaacatgtat gatgattgtc aattgtgggg tgatagggtg gggatgccca gggactttc
141061 aattcgctt ttattgcctc actttaaaaa gtgagagacc aaataatcag aacaaaagca
141121 gctcagagga aagagagaga aactataaaag gatcagagga tccctcaaac caaaatgaaa
141181 caaaacacta taaataatat cctctatgaa atatgaaaag atatgcattc acgaaagaga
141241 aacagaagag gatgggggtt aatcagaaaa catgaaagaa gcctggcat ggtggctcac
141301 acttgcatac tcagcacattt gggaggctga gtggggcgga tccctgtgagg tcaggagttc
141361 gagatcagcc tggccaaacat ggtgaaatcc catctctaca aaaaatacaa aaatttagctg
141421 ggtgtgggtt tgccacacccgtaatccacg tactgggagg ctgaggcagg agaattccctt
141481 gaacccggga ggcagagggtt gcagttagct gagatcgtgc cactgaactc cagcctggga
141541 aacagagcaa gactccatc tcaaaaaaaaaa aaaaaaaaaaaa aaaagataga gttattgag
141601 atggagttat aacaactgaa gtagtaaattt caacagaaac tctggaagat aaagtagct
141661 aactatccag aaaattgaac aaaaataaaat agagagatag aaaaatggag aaaaagatgac
141721 caatccagaa gacccaaatctacctaata ggagtccgt aagagacaac agagacaatc
141781 tccaggacag agagtgttaac tggccaaagcc aaaggcatgt gcccaaccca tggctaggt
141841 gggaaagggag gatctggccc atttgggtct agaaggaaag ggcactgtct cccccccacaa
141901 cccaggagta tggtccccca aaaggaaaaaag taatagatgc tactagaaaa tgagggttag
141961 atgatataca gccaagagct accactgtcc actgcacagg aacctctgtt gactcctagt
142021 aaccacaccc tcttctctaa atactcatag agcactttca ataggatttt tgcacccctgt
142081 caaatgcaaa acctccctct ctaggcctgt tgcatttat catagcttag atgtgtacat
142141 cctacatgcc aattgtttct catgagttat ctcattaaag cttacaaca aagcaaacaa
142201 gaaaatcatc ttaataaccc caattataaa tcaggacact actgcccaga gcggttaaga
142261 agcatgccca gcttcacccca gctaataaaag agattcaagc caggatttgg acctagtacc
142321 ctgaccatgg agctcgcaact cttatgccac aggactttat gtacctctcc ctggaggctt
142381 ctgggtgcct ccagtgcaccc cgatgcctca ctgccttctg gacccaaag aggatctaaa
142441 gtaggtgtc aaacagccgt gagagccctcc attgagccac acaccccgag ttttctgt
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142561 agccctccca agtcaccagg gtgctgggag ccgcacttag atctcagccc tccttcacgt
142621 cacacaccc actcaggggc tgtccacagg ctgtctctgg ctgttagcatg ggaacccctg
142681 ctccttctta tctgggtcaaa ggagccagg ggatgcctt aaggaaggtc agccctgtcg
142741 gtgagacatg ttgtgcaaaaa ggcagggttga ctggagaaaaa gtcatacacg tttatttcac
142801 atttatacac aggtccctc agaatgaaaaa cccaaagata acgcggaaat tggccataact
142861 gatgcttaag attaacgaag tatgaacagc tatgtacaaa tgcactgga caaaaaaaaagg
142921 gtatgatcta atgctgatag actgagctgg gagattcaagt gggcctgtg tagattcttg
142981 gcctctctgc acagcatccc ttcttctgt gtgtggggca ggaccctctc gggaatgggg
143041 gaattatgac ctacagtcaa acaaggtaag tcggatcatt tctttatggc cagttttac
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143161 aaagaggttc tggttctat gggaaagagg gattctagtt tctaggctta gactagggga
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143281 ttcattttag agtactctt tctgagttccc aacagtggga agccagagga agcagaactg
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143461 ggctggctg tattgggggg aagacctgtc tggagccctc ttcaactatt tatctgttct
143521 gccttcttcc cccttgcctcc tgcctttga acgctaacctt ggacacagaa gcttcagca
143581 ttaggaggc cttatttgc gctccattta atgtaaagatc tcttgaagtg ggtcccaatc
143641 ttaggcccaca agttcagggt tacagaaaac aaaccatttc tctttttttt

FIGURE 3 (continued)

143701 tgagatggag tcttgctctg tcacccaggc tggagtgcag tggcgcaatc tccacccccc
143761 gggttcaagc aatttttgc cctcagcctc ccgtgttagt gggattacag gtgtgcacca
143821 ctacgcctgg ataatttttgc tatttttagt ggagacaagg tttcaccatg ttgccaggct
143881 tgtctccaac tcctgaccc aggtgatcca cccgcctcg cctcccaaag ttttgggatt
143941 acagggtgtga gccaccacac ccagccaaca aacaattttt ctgtcacaga gtttaattct
144001 atttggattcc tattcctgcca atgtggcaga aacataatct ctgttgcattt aaaaatttacc
144061 cacatcctga acctgggatc ttgtcaaagt cccactgagc tctgggagat ggggtcttta
144121 ttgtcttttgc tcacacaggt gtctagaaga tgccacccat tgcacttac ttttgtctt
144181 acacaactgc agaccactat tcaaaggcta tatagttgc tctcactgct gtaacaatt
144241 atccacaata taatggctta acacaacaca aacttatttc tcacagtttgc ttagaaagtgc
144301 caacatgggt cttaccaggt ggtggctgtg ctggccttat agctggagac tctggaaag
144361 aatccctttc caagctcggt caggttgcgt gcccagttca gttcttgcgt ggtaaacttgc
144421 ctaggtggca gctagggtca ccctcagctc cttaggttcc ttcttggc cttgcacatc
144481 atccaggagg catcagatct ttctcagctc tggaaagatca tggactcgcc cttctcgcc
144541 atctgactct tccgccttcc ttttctgcgtt gattacatcg ggecccacctg gatgtgtcttgc
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144661 tcccaaggaga acctaaattt gtgtttgattt gaccaaacag ggagaaggaa ggtatctt
144721 agagtttgc ctacagcaaa ggccactgtg tgagcacatc cctgaaagggtg tgcaggccag
144781 ctgcacatcac tcacccctca gcccattcac tagacagatg ccctgtcaag gtcacatggcc
144841 ttttaaggct gaagggttgc tgccttactt gcccgtgtt tggaaagaa ctggttcttgc
144901 tctgaaccat gctgggatag aacctctaga aggcaaggcc cccgttccatc caacacacac
144961 acaaggccatt tcctctctgg ggtcccccag ggctcttctt aggttgcagg aaacaggacg
145021 atctgcccccc tttttccgac ctgtacccccc acctctgcac tgcatttgc ttcccttctt
145081 cccacacccac caaggaaatc accttctcat caaacccccc atatgcaaaa tattttggct
145141 agatctggag tcctgtacac tctggagtgg ctggggctt tttgaatccc aggtccagtc
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145261 gaagttggag ggggacaggg agttggagaa tggcaaaatg gggtaataac tgcaaaacttgc
145321 ttttctgtcc actctcctga catgtctgtt tctttttttt gcccctggca cctggccat
145381 cacaggccgc atccttagca actaagttgg aagaaatggg gtccttggc cagcaatgtc
145441 ttcccgccat gggctataacc tgcagggtcc gggtgaggag gactgcgggc agctctgaag
145501 cctccacttt tccttatggg tttttgttc actctccagg gcttaattca gatgtcacct
145561 cccctgtgcg gcttctccaa cccttcagat agatgtgatc actccctccc ctgagccca
145621 gaacactttg tccaaatttcc tgcaccctctt gagagcgtgg cacaggcccc ctccactgt
145681 taacaactca cagccccctcc ctgcacatcaga agcccccccc cttccctccgg ggtgcctt
145741 ctttcttagtc atagtgctttt ccctcagtag tctatccctc tggggactctt gaatatctt
145801 ccttccccctt cagcaatccc tagcacactt gcaagctgtga gggctgcacc tgaggacaga
145861 gcagggccgg gaaccccagt ctttagaggct gttgtcatca aagttcaaat ggaagatcc
145921 ctgagaagga tctgcaggaa gaccaattgc caccctttagg gaaggccggg cttctgtgg
145981 atctcaagcc ctgggaccta gaggcagttt cccgttaggg gcaagccagaa ggccttcc
146041 ctaccccccacc accaccacaga gaggcctccc tgggatggcc tccctgaac cctagagctt
146101 catggggatt gctatgttttgc cactgtgtatc tcatttcaag gtcatggta tatgcgttac
146161 agctgagcaa gatttttccctt agcatcagat tggaaagttga aagaaaaggct aagtcacaag
146221 aacccaagag ctgggtgaat gcacagctgtt gcccctagcc caccagcaag gaccacattt
146281 attaggctca gcctccacaca caaacggcgc cagaaatctt aagagaagaa ggggaacaga
146341 ggaaggggagg gaaagtccctt taaatcaaca tgggttccatt gagcttctgc accatgcagg
146401 ggcctgtggg attgagaagg agaatataat cctagtccctt gctctcaggaa agcttacat
146461 ctgtgttagag cccaaagatgtt agcagctggg tgaacaagaa gtggtgcag ggggaagat
146521 taccacagat ggtataacag tttgtgttgc cttgcctgaaa caacagaaag ttactgtt
146581 tacagttctg gagaactggc ctaggaaatc aagatggccgg cagagctggt ttcttctgag
146641 ggttgtgagg ggtctgtccccc aggccctccctt cggcttgcgtt atgtccatct tccctgt
146701 tctcttaca tcatttccctt tctatgcatg tctgtttttt cggccacata tccccctt
146761 aaggacacca gtcataatcgatg atgaggccccc atcctaatttgc cctcatttttta acttttttac

FIGURE 3 (continued)

146821 ctctataatg accctgtttt caaatataat cacactctga catactaggg gtagggctt
146881 gacatggttt ggctgtgtcc tcacccaaat ttcatctga gttgtagtc ctgtaattcc
146941 cacatgtcat gggaggaacc cagtggagg ttgttgaatc agggtgggtg agtcttct
147001 gtcgtttct cgtgatagtg aataaatctc atgagatccg atggtttat aaatggagt
147061 tccccgtcac acatttctg tttgcctgc tgccatgtaa gacgttccctt tcaaccccca
147121 ccaagattgt gaggcctccc cagccacgtg gaactgttag tccattaaac ctcttttct
147181 ttataagtaa cctagtctgg ggtatgtctt tattcagcagt gtgaaaatga actaatacag
147241 ggctccaaca taccccccc agagggacac aattcaaccc acaacagtgg ctgggggag
147301 aaaggaagac ttgaaagagg agaatttccctt cattcatctt tctatctatc tatttatcta
147361 tctatctatc tatttattta tttttagat ggagtcttac tcttgcgtcc agactggagt
147421 gcattgggtgc catctcgact tactgcaacc tccacccctt ggttcaagt gattctccta
147481 cctcagccctc ccaagtagct gggattacag gcacccacca ccaggccggc taattttgt
147541 attttttagta gagacagggt tttaccatgt tggccaggct ggccttgaac tctgacccctc
147601 aggtgatccg cccacccctg cctccaaag tgctgggatt acaggtatga gccaccacac
147661 ccggccagaa ttccctcattt taaaagggca ggttcccagg cagaggtaaa cactgggagg
147721 ttttatactt tttttagtactt tttttagtactt tttttagtactt tttttagtactt tttttagtactt
147781 tcttcaggga cagaagatgc cacatgggc agggcttctt catgcaggcc ccaaccacag
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147901 caaccccaaa cattccctacc aaaagggaaatg ctagctgctg ggttccat gggccaaag
147961 tggagatgaa ttccaggggc aagaagcagc cagttagggca agagggagag agacccccc
148021 ttccctgaccc accccacaca tacaatggac taaaatattt ttttcccttta aaattcatga
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148201 actctaccat gataggacac agcaagaagg ttccatctat gttttttttttaaaatcc
148261 ccagacactg aatcttccctg cacatgttgc ttggacttcc cagactccag aactgtgaga
148321 aataaatttc tggttttctt aagacaccatg ttttccat ttttccat ttttccat
148381 cagactaaga caacacacaaa acaggaaaaaa ttttccat ttttccat ttttccat
148441 cttaaagatgc caggacatag acagaggtag gggcaagaag gttttttttttaaaatcc
148501 cgttcaagaa aggacttttta gactttttagt gttttttttttaaaatcc
148561 aagttgtgtc cctccaaat ttttccat ttttccat ttttccat ttttccat
148621 actgaattttttagg gaggataggg ttttccat ttttccat ttttccat ttttccat
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148741 agaagaccac atgaacacac aaggagaaga ttttccat ttttccat ttttccat
148801 agaaaccaac ctttccat ttttccat ttttccat ttttccat ttttccat
148861 taaatgtctg ttttccat ttttccat ttttccat ttttccat ttttccat
148921 gtataaagttt ttttccat ttttccat ttttccat ttttccat ttttccat
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149281 ttttccat ttttccat ttttccat ttttccat ttttccat ttttccat
149341 atttttaata ctttccat ttttccat ttttccat ttttccat ttttccat
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149461 agaagaagaa gaaaagaaaaaa gaaatgttccca caagttctt gttttttttttaaaatcc
149521 ttttccat ttttccat ttttccat ttttccat ttttccat ttttccat
149581 atcttgcac ttttccat ttttccat ttttccat ttttccat ttttccat
149641 ccattggagt gaggaggggg ctcttgcac ttttccat ttttccat ttttccat
149701 ctttccat ttttccat ttttccat ttttccat ttttccat ttttccat
149761 agtcttgcac ttttccat ttttccat ttttccat ttttccat ttttccat
149821 aggaggttgc ctttgcac ttttccat ttttccat ttttccat ttttccat
149881 gggccactca gttttccat ttttccat ttttccat ttttccat ttttccat

FIGURE 3 (continued)

149941 atccccacctg attggagtgg gcttcccaca ggcccccgct ccgcagctcc tcagtgcct
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150061 agctgagcag tgctgcaaac tcagtgcctc tgagtaccct ggggatttgc tgaactgcac
150121 attctcattc tgtaaaccgg agctgagcct ctgcacgtct aacctgcctc ctggcaatgc
150181 tgctgttaact gagcagagtg gaaaagtgtc agacaataca ttggggggaa atttcagtc
150241 caaatgcatt ggagcagaaa ccagaactcc ctgtcaagct gctctgtggg ttttgaagc
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150421 gccccagagt caaggtggca tttagctggg ctttcagtc ggcaccagca agtgccttt
150481 aacttggggt ccttggagtc catagggtgg cacagctaa ttggggatg tacctgagaa
150541 aaatgctcc cagatgggtct tctctgcccc atccctcttc ccacccggcc tggccagacc
150601 ccaggggtgaa ttgttctaat tccttgcact ttttctggc agggctccca ggctcatgaa
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150781 tttagaatatt tagaaaaatatt tggaaaatgt aaagaaggaa gtaatcttc aatccctacaa
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151261 aaagcaaaaca gttccagggtg caggggctt aaatccatca caaggtgata gacgctggc
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151441 gtgctgggag tcagttgca caagttatt ctttggagaa ggggggtggg aaggagccct
151501 tgatgtctt caaatgaagg agccaaatgg agtccgttca gttttctcag ctaagagaga
151561 gtcaatcagg ttaatacacaat tttaggtatc acaagtggtt ctattttagaa aaggaagact
151621 taagaaactc cattttgatc tgtaccctga acaatggttt tgccttgaga tgctgttaat
151681 ctgttaacttt tctccagcct tgtgctcaca gaaacatgtt gtttatggaa ttaagggttta
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152461 gagaaataacc cacagggtgtg gagggggcaaa ccaccccttc atgtgtatgtt tagggccgggt
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152581 acccaggaggat tcaagaccag cctgggcaac ataatgagac ctcatttcta aaaaataaaat
152641 aaataaataaa aaattgtttt aatttagctgg gcatgggtgtt gcacacccgt agtcacaggt
152701 gctcgagagg ctgagggtgg agaatcgatc cagcccgagg gttcaaggtc gcagtgagct
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152821 atgattttttaatagctgc ataatagtct cccctatggaa tatttttattt gttactttaa
152881 tgcttgcctt attttggggcc attgaagttt tttattttttt tttcaatataa aaataatttt
152941 attctggcca tggggggatc gaaatctcta accctataat ctctttttt ccttagaata
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FIGURE 3 (continued)

153061 gttgttgaat tgtttccaga aagcttcaac aaattcatcc cctctagcca tagtgcctgt
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153181 aaactagtat catttctagt ctgcattctg cttgactctc gtgtggctga acatttttt
153241 ctgagtggca tagccattca tgtttcttct gtgacggggtc tggacacatc ctcagtgttc
153301 tcattttcag gagagcaagg atggggaaacg aggggatatg cattgttataa gtttgtttc
153361 atgctgctga taaagacata ccagagactg ggaagaaaaa gaggtttaat tggacttaca
153421 gttccacatg gctggggagg cctcagaatc atggcaggag gtgaaaggca cttcttacat
153481 ggcagcagca agagaaaaaag agggagaagc aaaagcagaa aaccctgata aaccatcatg
153541 ctctcatgag acttatttac tatcacaaga atagcagcag aaagaccggc ccccatgatt
153601 caattacctc accctggccc cctcccaaa catgtggaa ttctgggaga tacaattcaa
153661 gttgagattt ggggtggggac acagccaaac tatatcatgc atcaccaccc gatggcaccc
153721 acccataacc tctgccatgc tttgtgcccc cccacccatg cctgtggcg aggctcccc
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154681 cacaaaagct ttttgacaaaa taactctgac taggaattgt aagaatgtt tttaaatgag
154741 taagggtgaa gcaaacatata ttccattttt atagacaaga aatgtgtgtc tctggatctg
154801 tgacactcca taaaaccaggg aaaaggcaga gacaatgact gattttctgc cgcccaatcc
154861 agttgcccaa ccctcctggc tcaatgccag gacttccctg tctttgatta gggaaagtgg
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155761 tagaaaggag ggaaaggcctt gataaggagt ctttaatgag ttctgtacta agttaattca
155821 acattgaaag ggatagaaga tgtaattcc acacacacgt gaaagaaaatc aacaatcagg
155881 cctcatctga gagaaccatg atggggaaagg ctggggctga tggatgagggt gtgtgaggca
155941 gggcagaaag cctccacgtt gctgcagcaa tgcaaaaata ggcacccctgc cgtaggcctc
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156061 ttcaatgcta aaaccaggtt ttctgttgc agttggggcc agagatgtttt ccatccctc
156121 ttgcaaaaag ggttatttca agaggcccttta agtcttcaggc attgatagttt tctgggaaaca

FIGURE 3 (continued)

156181 aaatagaaaat caaaatctca ctttgttgc ctttcctt cctggacaga gaatgggaca
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156301 ccctccctg ggacttgcatt gctataatct ccataccct ctttccccac tctccaggct
156361 tagtgggtga ggcagagat gagagccagg cttacctgccc ttttctccctc agtggaaaga
156421 agctcagtaa ctgagctcag acgctagtgg catacctacc aagaggatga cataaaatgcc
156481 tcctgtggcc ctgagatagg cagagctctg ctggcagccc aaccatatgt tcactcggtt
156541 attaacaac atccacagag gcagctgtct ctggcctgga gggggatgtc ctacactaga
156601 cgactcaggt tcataagagcc aggctcatt ccaccccccac tggctcaagt gactttctgg
156661 tgaccagaaa ctggagagct ctttttttt ttttttagacg gggcttgcgt ctctgccca
156721 ggctggagta tactgacaca atctcggtc actgcaacct ctgactccca ggttcaactg
156781 atctcctgc cttagcctcc caagtagctg ggattacagg cgagtgcac cagggccatc
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157201 gcgaggctta actgagggtga tctaggcaaa gcacttagct tggcacccat tagatattaa
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159181 ggggtgacaa actggctgaa ccagtggccct agacagccaa ttttccaaat tatgttaagat
159241 tccacaggga tctaaaggag cgaatttagag gcacccaaata tctaaaggat

FIGURE 3 (continued)

159301 gcaggatca gctgggtggg tttgtcagca gagaacaggg ccaccaggc aggcacatag
159361 aactaactgc actcaactgc ctgttggtaa ctattcttg aatccctcca catgacgcca
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159961 aattatgtaa agtgcctgtc catagtagat tgaagcagag actgctacta ttccaccaatc
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161101 aggtgcaca agcaagggtgc tggcatctgc tcagtttctg ggggtggcttta agggagctt
161161 tacttaaagc cagagcaagc attcacatc gcagagtaga atcaagagtg agagttggtg
161221 tgggtgtgag gaatctcagg atgacctccc tgagattgt gtccttgc tattcaca
161281 aactcaactga ctatcacaag gtcaagcatca aggctgtgagg catccaccc catgacccaa
161341 acggcaggcc ccacctccaa cactgaggat tacatctcga catgagattt ggaggggcca
161401 tctaaactat atcatacact tttggatctt atttacaac taacctatag tcagttgtt
161461 aatccatttt gcattgttat taagaaatac ctgagactgg gtaattttt taaaaaagag
161521 gtttattttt ctttatggtt ctgcaggctg tacaaccatg gcaccagcat ctgcttctgg
161581 tgaggactca agaaactacc aatcatggca gaagcagggtg tggcacatgg cgacagagag
161641 agaaagagag ggggaggaga tggcaggctc ttttaaacaacta ctgctctca tggacttca
161701 atagagttgag aacccactca ttacctcggtt gggggcaca aaccattcat ggggatctg
161761 ccccccacgac ccagacaccc cccacccaggat cccatcttca accctggaa tcacatttca
161821 acctgagatt tggaggggac acacatccaa accatatcag tggaaaatg ttcacccct
161881 ttctccaccc ccaaataaca attacacagt acccagcatc tggcaaaaca ttttattctt
161941 ttccacaattc tcatatggt taaatttgc ttttgc ttttgc ttttgc ttttgc
162001 gacctctgtt ttagtgc ttttgc ttttgc ttttgc ttttgc ttttgc ttttgc
162061 aatatgtat tattaaat tattaaat tagctcacat gatcacaacg tcccaataa ggcacatctc
162121 aggccgatct gatgtccat gtttggggc aggaaggcatc cagcagggc gaaagatgt
162181 gagttggggc cttagaccat ctttcttcc acattttctt gctgtttat attcttagcag
162241 tgctggcgc tgatttagact tggccaccc agattaagag tgggtctgccc tttccaccc
162301 cactgactca aatgttatac cttttggca ataccctcac agacacaccc aagatcaatc
162361 ctttcaatcc aatcaagttt acactcagta ttttgc ttttgc ttttgc ttttgc ttttgc

FIGURE 3 (continued)

162421 aatcttaggt a ctcctgtgaa gggattctgc aaatgttaatt aaagtttcaa gtcagtcaac
162481 cttaaaatac agagatgatc tgggtgatcc t gatctaatt acaagagccc tttacacaac
162541 agaaggggaa ttcggagaga tttgaagtat gaggaagact caagtgccat tgctgctga
162601 agatggcagc accacgttag aaggaatacc tcaaggaact gaaagtggcc cttgcctaac
162661 agtcagcaag gaaagagaa cctcagaccc acagctgtaa ggaactggat tcagccaata
162721 attggaatga. acttggaaagc agattttct cagtgccctc agttaaaaagc tctgcaacca
162781 ataccttgat ttccagccct gtgttattcc tgagcataga aatcaggcaa gcctgcctgg
162841 acttctgact acagaactgt ccactaataa atttatgtt ttaaattttgt ggtgatttgc
162901 cacagcagca ataaaaaaac taatacatc tcttaatctg tttgtcata aattttctt
162961 tgagacggag ttcactctc tttccagcc tggagtgcag tgggtgtatc atagccatt
163021 gtaacctcaa aatcgtggc tcaagcgtt ctcccaccc aatctctcga gtagcttaga
163081 ctacaggcac atgccaccat acttggctgaa tttttttaaa aaaattttt tttatgtaga
163141 gatggggctc cactatgtt cccaggctgg tctcaactc ctggcttgaa gagatccctc
163201 tatctcagct gggaggatcc cagatccca aagcgctggg attacaggcg tgagcctcca
163261 tgcttagctt ctcacttat tttttttaaa taaaaatgtt catggggaga tgggtgaaat
163321 tagtgatg atatctgatg atgtcttag ctttacattt gtcagttcc ttgtgctgag
163381 ttgtctgtt gggagctcc tgcccttata gtgagaatgt gacatgtct gggcatcagc
163441 tgcagcttcc tgaacagaga t gatccagct ccccatctca ccagccccca aatccaaac
163501 ttaaaagcgg agctgctgta aaggaaaaca aagttaaagca aaatgacttcc aaagcccaat
163561 gtgctcaccc tcactctccc agtgggtctt tgcacctgag aacgtgcagg gtccatcagt
163621 attgacctcc ctttccacc agccctggaa gttatggaa gggaaaggtag cttattctga
163681 tattctgtcc t gtaataatg cttccctggcc tggcacatat atccttgc tctgtgcctct
163741 ttttctaaaa catcctccct ttccggaaagc t gaaactgtt cctgcacaca ttatgcactt
163801 aaccaggtaa atttcagaag attttaaaaa gtttccagt gaaggaagga gagagagta
163861 ttgtctgtt gataactgata tgcggatggc cagactagat atcaaaatag aaccctgacc
163921 cacaatctgt ggcaacttagc ctggaaagcc aacatattat ctgcagtaac caatccagga
163981 agcaaagcaa taacccctt agcaatggac cccaaatggc caggactcga ttaataaact
164041 gacagctccc ataatttttgc cccctaccc caactttggc ctaaccagag aaagccaaat
164101 gggcccccc aaccaatcac atagcatgcc gcacttctag ctggcccaact tgcagctcc
164161 ccgtgccaac agtctcaggc cacgccccaa gtgttccctt ttttctacca caaggcttt
164221 ccacacctct gcctgcctt aagtgtctgc caaacacaag t gatgggtgc tgactaccc
164281 gcaacctctc tatagttaggc ttgtttgtt cttattttggg ttgttccat ttatttccac
164341 agtcttgc tttcaggagc atttagggct taaatacaag gaaatttcat gtaaggatgc
164401 aggagtgtt catggaaacct caagctcagg aaagctgcac agccatggga agaccctaga
164461 gccggagtct ggaaaagcaa tccgagctt gatcttagaa atcttgc tctgcacacc
164521 gggttctctg gtccaaatgg cccaaaacat gaccatggac agggctgtg cttatctcgt
164581 cactgtcaga gaggcaactc tctgtacgtc ctgattccaa gttccctggag aaggacacag
164641 actgaaccac cttgggtcag gcaccatctt tgaccaattt actaacagtg cccaaactccc
164701 acccagggtg gggagtagtt gcaggttagtc ttgtttatga acatggcaat cagaagccca
164761 tccctgtcac t gttgtggagg ggaggggaga gaagaggat ggtcccaacc aaaaaaggta
164821 gggggatgga catcccaata ggggtccact ccattccgt tggcacagtg agacagttgt
164881 catgtgtcac gtgcttagact ctgtactctg tgcctccctg tacctgtac tgaccaacat
164941 ggtcttagtga gcgatttttc ttgtgaaggc atccatccat tcattcatc atatacgaaa
165001 caattgtaca tcacaacccat atgttaggtg ctaggtatac aatgataaaa caaacacaaa
165061 aaccaaaaacc acaatctcta ccctcaatgt gaggagatac caccacataa acgaacaatt
165121 acaataactgt gaaacatgtt atgtcaatc tatggctaa atcagatgag aggctggca
165181 gaggatcagg ctgccaagaa atgttccctt gaggcatgc tgcccgaaat gaaccttggaa
165241 aatcaggggag cttgatagaa ataggaaag agagagttt tcaggcagaa gcaagggtca
165301 ctgtcaagga aaggcatttc agggaaacca aagttagtac t gtttgacat gagctatatt
165361 ggagttagag tactggggagg taggttagaa aggggaacag agacttagata tgaaggaact
165421 t gaaagccgt aagtatatga agaaggcaat gggcttcttca cacaggaatg accttgaaga
165481 cttgatttgc attattgaaa gctcaccatg gctggaatgg attggggacg tccgatgatg

FIGURE 3 (continued)

165541 ggaaagactca gctggggcagt tgctgcatta actgtggagt tataatgggt acctacgaga
165601 gcagcttgg atacggagaa gagcaaaactg gtttaagaaa cgtcatcacc tgggtcaaga
165661 aaaggacatg cagtggggt ggttagggagg aaaatagatg taaaataaagt tattagttga
165721 aaaagaaaag caagatcgag agagaaaattt attctattgc catctattca tgagaatcac
165781 aaggctgaat caaaagcctt cctgcaaacc tagactcagc ctggttcagt tcagagactc
165841 tatcagaaag atgaggagct catgagtcat ccatcaatgt gatcttgtga tttttcttgt
165901 gaccacaaga caaaggaaga gaagagtact ttggagtcat tatgatgaaa attcagttga
165961 atacactgga aagtcaaaac gagaggagaa ggaggaacccg aaaatctgat tcagttctga
166021 ccaccaagta gaattgggac agaaacaatt aagttaggcac agatccaatt tggattataa
166081 aaagctggtt catcaggaag gccactataa aaccagaagc aaacgaagag tcaattaagt
166141 acaaaagttt ttactatgac tatgcagtgaa ggtccaaact gtactaaatt tgaagttccc
166201 tgccaaagag aaatgtaaagc ttccctgggt gtataagtca gaatttcatg acatcagccca
166261 gataaccaca aaagaatata tcttttagtg cttagatgctt ctaagcctt ctccacccaa
166321 ctaaccaaca ttcaacttact gatttactta tttctttaac aaacacactc catttcatag
166381 ccacatttt tcaaagctga caggttgaga tatatctaaa acacaaaatc tccaacatac
166441 atttcttct tcaatgttgc gagatgtatt tttctaaaac actgttctgc acataactacc
166501 attccaaat taaaaacaag ttagttatcc actgcctttt ttgtacaaat gaaattcata
166561 aattttaaatt tggttacaaa aaaatttttca atcaaaaattt ttgcttattt gtttatataa
166621 aaatggagac agggctctcac tatgttggcc aggtggccct caaactccat agctcaagtg
166681 atcttccac cttgacctcc caaagtgata ggattacagg catgcgatac caagcctgg
166741 ataattttaaa tttttaaattt aaaatttttta atttgcatttca aaaataataata tataactcatc
166801 atcaaaaact ttcaaaagaag aagattaaaa tcaccataat tccaacaccc agacacaatc
166861 acaatcaattt ctgttgcattt ggatatactg acagcctatg tgacaggaa aaaactaagt
166921 tgtaagaatt tttttaaaac ctcctattcc ccattacagt agattttatt actcaaaaata
166981 tttgctggcc caccctgggg aagataatac ttcccactt cattgcatca gccttagaga
167041 tttggttgc ggtgtccctt cttgtgggag gattacat ttcatttc tttgaccccaa
167101 gagtggccat gagacttgc ttgaccaatg caatgataac agaagtgtatg tttgcccactt
167161 cgaagcagaa gctctgattc atcatatgtt tctactatgt tcgttctctc ttccatgaaa
167221 ccagcaatat cccaaataca gactgctgtt cccaggatgg aaaacttaga gcaaagctac
167281 cggtagccca caatgtgagc aagaactgaa ctttgcatttcat ttttgcac tgagggtttt
167341 ggagttgtt gttaccacag cataacttag ccgcacactga ctgataccac ctaccccaa
167401 aatgtcatct gagttttttt tatgtctgaa gagagcctt atgcattgaa ataaataactc
167461 cttttatattt caacttataat ttttatattt taaattatattt gttttaaaac ttaattttga
167521 agactttaaa cttgtgttta ttttataatc agttttgtt atattttattt atctactttt
167581 atttgggtttt gatgaatgcc caactggctt gtaaattttga taaggtactc cccaaatattt
167641 atcaaaactttt cagaattaag ttttagacat ttcaaaactac aatctaattt taattgattt
167701 ctcaaggaaa aaaacacacaa agcagactca catttctata ggcaaaatct taataaacac
167761 tgaaaacata ctgaactttaa aaagtttac ctttacaaattt taataaaatataaattttaaa
167821 gatTTTaaacaa tttaaacatt tgaacattt ttcaaaactta gtttacaaaca tctttataat
167881 ttttacttaat attttgatgc taatgaatca gtctcttttac ttaccttaaa aagcagaaaa
167941 atatacacaat aataactataa tggttacaaa acttatttttct agataaaattt tatgactaga
168001 cataacttag ctgttctcc aagggtcttt gaaagtatgt ttgtttctg gcaataagaa
168061 gatattttcca gactcatctt gatattttctt ggcgtaaaac atgcaatgaa tttttctcca
168121 gggagcccaag tgccctcagg gtcttctggc tggaaatgcag attagatgga ttggcaaaagc
168181 agctgttggg gccacaaaggaa gaaaccagaa atccacagta atctttgacc tgacgttctt
168241 gagctgttgc accaacatcc cagggttttta agtccctgtg gtccatttgc caaatgcaat
168301 tccttacttga tataatgggtt atacaatataa agaagcccaag agaaagcact gcatatggaa
168361 agggaaagattt gactcaaagg ggaagatctt gtggggaggg gaggcagtgaa agaaaagagg
168421 aggcaggaaa gggaaactggg gagagagggg agatctggca gtttctgtga aagcaaaat
168481 gtaaggattt taagaaaagt ttgcctttat tccattgcca taatggggat tagaacagta
168541 acatccatag gatcattgtg agaattatgc caagcacaca ttaagtgttc aataaaacatt
168601 ggctatcattt attattttat tatgttggc ctccagaatg gatttagagtt gcagactggaa

FIGURE 3 (continued)

168661 acattataaag gaaatccagg aagtccattc attcttactc ttccctcccc ttcctctct
168721 tccacaattt ctcctctgca cagctgttt aatcctatat ctttctgcag attggcttcc
168781 tttctatgtc tggatgctt aaaacagtca ctaacaacat ctttcaagtt tccaaactcc
168841 ttgggtcaag acagcagcca tttcgaagaa atttccagaa agacactgat tgccagctt
168901 agatggaaag tccactctt gatcaattaa ctgaagctat gacaggagag ttgtatggaa
168961 aacacatggc tgctcctact agaaaactt cccaaatatg aaggaggagaa aagcagggag
169021 gaggtgcgcg ttttgcgtt taatggtagg taaacattt ggtacattt ctttgggtcc
169081 atgtgcacac gagtacgtt atgcattgtt gcataactt gatagactg tatatagtt
169141 ttgtttgtt gtttggattt ttttagagaca gggctccct ctgtcactga ggctggagtg
169201 cagtgtatca atcatagctc actgcagcc ggaactcatc tgctgactc aaggatctt
169261 cccacccatc ccttaagagc agctggatt acaggtgtgc atcaccatgc ctggataagt
169321 tttaaaacaa ttttttgcg gagacaggg ctcattatgt tgctcaggt ggtttgaac
169381 tcctggcctc acgtgatctt cccacccag cctcccaagt agctggatt ataggcatga
169441 gcccactgtgc ctggcaacag ctgtctaat ttttttac aaggcatca gaacacattc
169501 aataagatat ttttctacag cactgttattt attagctagg ttaacattt catatataga
169561 ttttctaaat ttttctattt ttttgcattt tatgaactt atttgagtga
169621 tattttgtt actgaatagt tgaaactatt attaactctt tagggaaatt cttaaattt
169681 gaatttgcgag gtcagaaggt gtgtcatatt ttaacagtt tgatacatt tgctaaatgt
169741 gcccaggcaat ttaagccaca ctcccaccc aacataaaaa atgcagttt cctcaatatc
169801 gtcttcagtg cttagttgaa atttaatcac catttgataa gtgaaacaaa atttcttaa
169861 ttacttagaa gattgaagga tagtttcatg ttttttgc acactgttt tctattat
169921 ttttatttgtt ttataagagc atttttagccg gacttggtgg ctcatgccta taatcccagc
169981 actttgggg gccaagggtgg gtggatcact tgaggtcagg agttcaagac cagctggcc
170041 aacatgtatca aaccccaact ctactaaaa tacaaaaact agccgggctt ggtggcaggc
170101 acctgtatc ccagctactc gggaggctga ggcaggagaa tcacttgaac ccaggaggca
170161 gaggttgcag tgagccaaactc tgccgcact gcactccaac ctggcaaca aagcagatt
170221 ccatctcaaa aaaaaaaaaag aaggcatattt aattactaaa tatattgtt gttgtggtgg
170281 cttgtgtctg tagtcccagc tacttgggtt agggcaagag tttgagccctg ggcaatacaa
170341 cagggcccta tctgtatattt catcttcccg gtttgcgtt accttgatattt aattttttt
170401 aagttcagat actcaaatct ctcttttcca gcacctatct ttatcttcc atatgcctag
170461 aaggatatac tccactatct acctaagtat caccctttcc tatgtccat tccctaaata
170521 gagtttagac atttcaatttgcatttttttgcatttttttgcatttttttgcatttttttgcatttt
170581 ttttactact gcccattccaca aatcttttttgcatttttttgcatttttttgcatttttttgcatttt
170641 gtcacctatt tactaagcac ctattatgtt ccaggcatca ttctagacac tggggataca
170701 ggagtgaaca catccctacc cctaaggagg cttgaattttt agtgccactg aagacaaact
170761 gaaaaaggtaa gaaaatgtat atagttggctt ggttgggtt gatactata gaaaacaata
170821 aagcagtaaa gtagggtagg aaattcaggg agagagtggaa atcttacata gaatagttag
170881 ggagaacttcc actgaaaatg taatacatat ttgagggaaa gtgtgaggat ggtactgat
170941 atgggttggc ttttgcgttcc cccaaatctc atcttgcattt gtagctccca taattccat
171001 gtgtcatggg ggggacctgg tgagaggtaa ctgaatcatg ggactgggtc tttccatgc
171061 ttttctatca gttgtatattt gtttgcgttcc ccatgtatca gatctgtatgg ttttataat ggttagaccct
171121 acacacttcc ttgcctgcca ccatgtatca gatctgtatgg ttttgcgttcc ccatgtatca gatctgtatgg
171181 atgattctga ggcctccca gccatgttgg gctgtatcc aattaaacct ttttgcgttcc
171241 taaattaccc agtcttgggt atgtctttat tagcagcgtt agaacagact gatacgtga
171301 cagaatgggc caagtgcattt ccaagggaga agcattccag tatggaaag agtgtgtgc
171361 gagagccatc gggggagagg gggaaaggagg agcatacctc ctggatttga acaccagca
171421 ggaagccatg aatgttggaa cagagtggc aaagaggta gttgaggcag ggataggaa
171481 tgggtcatgc aggtttttgtt agaccactgt agagtctttg gctttactt caaaggaaac
171541 gggaaaggcat ttttgcgttcc tggtaatttgcgttccaaat gatggcagca gaaatatctc
171601 acacactcaca tagtcttttgcgttcc ccatgtatca gatctgtatgg ttttgcgttcc
171661 ctttgcgttcc ttttgcgttcc tgggttgcgttccaaat gatggcagca gaaatatctc
171721 ttttgcgttcc ttttgcgttcc tgggttgcgttccaaat gatggcagca gaaatatctc

FIGURE 3 (continued)

171781 agccttcctt tcaccgctt aatgctct tcttggAAC cagaaggcat atggagaaag
171841 atacgttagaa gagaaccaag gcccagccat ttccggcttag ttgagcattt ctgccagccc
171901 ctagttca agccagccag ttgaagccgc ggacaccaga taacagagat gagccatgtt
171961 caacatgctc tgccacaaatt tttcacccccc aaaccatgag caaataatag caattgttgt
172021 tttaaaccat taagtttag tgtgatttt tactgatgac aaaagagaca aatagagatg
172081 aactaaatag cacgggcccc acggggatgt gcacgagacc ccacagtac ttccctgaaa
172141 ttcccttagacc ccctccgtct tctgtaaagga actccaggc tgggttaatc acaaactgat
172201 gactattcca agaagcactg tactcccttag ctaatcatct gttagcttat ttctgttaac
172261 taatgttatt tctatataatgaa catgctgaga ccacccgtt gtatctctc atgttgtcc
172321 ttaaaatctg cttgtaaacca ccccaacctg gaggcacctcc tggacttggt atataagtgc
172381 ttcccgagggtt gcaatcctca aatttggccc aaataaaactc tttacctata tgcatttgcc
172441 ttatgtttttt tttttttt tttccaccatg cctggctaat ttttaaattt tttgttagagt
172501 caagatctca ttatgttgc caggtggc tcaaactctg gggatcaagt gatcctctca
172561 cctcggccctc ccaatgtgct gggattacag gtgtgagcca ccgtgcctgg cccttagttc
172621 ttcttttcag attgacatttta cacagcaata ggggactgga ataaaaatttgc acccagaac
172681 atgaaataact actggaatgaa aaacctaaag ccaattgtca catgtttggg accaagtaac
172741 acatagaaga ctgaaagagca gtgagaaggc tttttttttt ttcacatggt ttgatattt
172801 tccctcccaa atctcatgtt gaaatgtat cctcagcggtt ggagggtgggg cctgggtggga
172861 ggtgtcatgg ttgcagatcc ctcatggctt ggtgtgtct tgcataatgt aagttctcat
172921 gagatctggt tttttttttt acctctccct acctgtctt ctttttgc tttttttttt
172981 ctgcctcgac ttaccccttcc acagttagta aaagctcaact gaggcctctc cagaagccga
173041 gcagatgcca gtaccaatgc ttataactgcc tgcagaacta tgagccaaat aaacccttt
173101 tctctataaa ttacccagtc ttgggtatttcc ttttagagca atgcaagaaa ggcctaacac
173161 tagcttaaaa cagggaggaa aaacccgttcc ttgtctttt gggctagaga aaagggggcc
173221 tgagttacat actggcagct caatttacact gtcacttgc gcaatgtgga agatggtaca
173281 ttttttttttccacttgc ccactgcctt ggcagactca atttaagaca gggaaattac aataaaagagt
173341 gtaatagtttgc ttttttttttccacttgc ccactgcctt ggcagactca atttaagaca
173401 caaatttttag aagaatataatg agggcccaag actgtcttgc ttttttttttccacttgc
173461 aaatccaaaat aaaacttggaa ggcaaaagaaac aaatcttgc ttttttttttccacttgc
173521 ttttttttttccacttgc ccactgcctt ggcagactca atttaagaca gggaaattac aataaaagagt
173581 ttaatccaca cacagtcatc ttttttttttccacttgc ccactgcctt ggcagactca
173641 tccctaaaga ctttttttttccacttgc ccactgcctt ggcagactca atttaagaca
173701 ggggactact gatttttttccacttgc ccactgcctt ggcagactca atttaagaca
173761 tgctgatgttca gtttttttttccacttgc ccactgcctt ggcagactca atttaagaca
173821 tagggacacgc tgatccatgttccacttgc ccactgcctt ggcagactca atttaagaca
173881 ttttttttttccacttgc ccactgcctt ggcagactca atttaagaca
173941 atctgttgc taatttttttccacttgc ccactgcctt ggcagactca atttaagaca
174001 gtttttttttccacttgc ccactgcctt ggcagactca atttaagaca
174061 ttttttttttccacttgc ccactgcctt ggcagactca atttaagaca
174121 atcaggatgttccacttgc ccactgcctt ggcagactca atttaagaca
174181 aaaatttttttccacttgc ccactgcctt ggcagactca atttaagaca
174241 ggagaatgttccacttgc ccactgcctt ggcagactca atttaagaca
174301 ttttttttttccacttgc ccactgcctt ggcagactca atttaagaca
174361 aacaacaaaaa aacaacaaaaa aacaacaaaaa aacaacaaaaa
174421 acccaggaat gaaacaaaggac agttggagg ttttttttttccacttgc
174481 ctcttttccacttgc ccactgcctt ggcagactca atttaagaca
174541 agttaaaacgttccacttgc ccactgcctt ggcagactca atttaagaca
174601 gaatttgc ttttttttttccacttgc ccactgcctt ggcagactca atttaagaca
174661 gtttttttttccacttgc ccactgcctt ggcagactca atttaagaca
174721 ggagatgggtt ttttttttttccacttgc ccactgcctt ggcagactca atttaagaca
174781 ttttttttttccacttgc ccactgcctt ggcagactca atttaagaca
174841 ttcaaaacaaa agccactggg ttttttttttccacttgc ccactgcctt ggcagactca

FIGURE 3 (continued)

174901 atttggctgc aaatcagggt ttttgttgtt gagatagggt ctccctccgtt gcccaggctg
174961 gaggcacaatg gcacaatcac aactcaactat aacctctgcc tccctggagt agcttaggact
175021 ataggcacat gccaccaagg ccgcctaatt ttgttatttt ttgttagagac gggggtttcac
175081 catattgccc aggctggctc tgaactccca gcctcaagtg atcctccgc gtcagcctcc
175141 caaaatgttg ggattacagg catgagccac cacgcccaggc ccaatcacgc tttttcaaatt
175201 agttaaaggaa ggccgaccca gaaggtggag ttaggaagta aatcagggtcc agctgtgtgt
175261 ggataaggct ccacaggat ggctctgtgg gtgcagggac ccaagaacta aaaagacaaag
175321 ttatctgcct cccacattcc ttgtacaatg tgaggaggaa aaagataact acaatagaga
175381 atccctttca aaaagtaagg atgagtgtat gaaatctgaa taaggtttgc agtgcagttt
175441 aaacagttca tagtgtccag tgcttctgat aggtcaagta aagtaaggac gatggacgtg
175501 gcaacatgga agtcacccat gacttcgaaa agcagtttcc aatttaagtg tgtgaaagct
175561 t

FIGURE 4

1 mlaprgaavl 1lh1vlqrwl aagaqatpqv fd1lpssqr 1npgallpvl tdpalndlyv
61 istfklqtk satifglyss tdnskyfeft vmgrlskail rylkndgkvh lvvfnnlqla
121 dgrrhrillr lsnlqrgags lelyldciqv dsvhnlpref agpsqkpeti elrtfqrkpq
181 dfleelklvv rgs1fqvasl qdcflqqsep laatgtgdfn rqflgqmtql nql1gevkdl
241 lrqqvketsf lrintiaecqa ctplkfqspt p1stvvapapp apptrpprrc dsn1pcfrgvq
301 ctdsrdgfqc gpcpegytgn gitcidvdec kyhpcypgvh cinlspgfrc dacpv9ftgp
361 mvqvgvisfa ksnkqvctdi decrngacvp nsicvntlgs yrcgpckpgy tgdqirgckv
421 erncrnpeln p1csvnaqcie erqgdvtcvc gvgwagdgyi cgkdv1d1sy p1deel1pc1ar
481 nckkd1nckyv pnsgqedadr dgigd1c1ded adggd1gilneq dncvlihnvd qrnsdkd1fg
541 dacdn1cls1v nndqkdt1dg1 grgdac1ddm dggd1kn1ld ncpkfpnrdq rdkdgdgv1d
601 acdscpdvsn pnqsdvd1ndl vgdscdt1nqd sdgdghqdst dncptv1nsa qldtdkdg1g
661 decdd1dd1nd gipdlvpppgp dncrlvpn1pa qedsnsdgvg dicesdf1d1q1d qvidridvcp
721 enaevt1tdf rayqtvg1dp1 egdaq1dp1nw v1lnqgmeiv qtmnsdp1g1a vgytafngvd
781 fegtfhvntq tdddyag1f1 gyqdsssf1v v1mkqteq1ty wqatpf1rava epiqlkavk
841 sktgpgeh1r ns1whtg1ts dqvr11wkds rnv1w1dkvs yrwf1qhrpq vgyirvrfye
901 gselvadsgv t1dttmrggr lgvfcfsqen iiws1nlkyrc ndt1pedf1qe fqtqnf1drfd
961 n